

Bechtel

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A167 0007

Memorandum

2045662

To: Sandra Carroll, EPA Region IX
Thru: Michael Bellot
Subject: Completed Work
Date: May 26, 1994
cc: Catherine C. Walton, BEI ARCS

Attached is the following completed document:

PA _____ SI _____ Other _____ Site Inspection Prioritization _____

Site Name: Ram Chem

EPA ID: CAD 071911051 (1558)

City, County, State: Gardena, Los Angeles County, Calif.

For EPA Use Only

Latitude: ✓ 33° 53' 8.5" N Longitude: ✓ 118° 16' 22.5" W

CERCLIS Changes: (SIP - SP = C3101)

EPA Further Action Determination: SIP Complete, NFA

Lead Agency: F

Sign-Off Date: 6/20/94

Initials of Work Assignment Manager: SAM DDB

Document Screening Coordinator: grw 6/28/94

Chief, Site Evaluation and Grants Section: TS 6/24



Bechtel Environmental, Inc.

Bechtel

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San Francisco, CA 94105-1895
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San Francisco, CA 94119-3965

FINAL EPA File Copy**Site Inspection Prioritization**

Site: Ram Chem
210 East Alondra Blvd.
Gardena, CA 90248

Site EPA ID Number: CAD 071911051

Work Assignment Number: 60-32-9JZZ, ARCSWEST Program

Submitted to: Michael Bellot
Site Assessment Manager
EPA Region IX

Thru: Sandra Carroll

Date: May 26, 1994

Prepared by: Maynard Geisler MG

Review and Concurrence: Catherine C. Walton CW



Bechtel Environmental, Inc.

1.0 INTRODUCTION

The U.S. Environmental Protection Agency (EPA), Region IX, under the authority of the Comprehensive Environmental Response, Compensation, and Liability Act of 1980 (CERCLA) and the Superfund Amendments and Reauthorization Act of 1986 (SARA), has tasked Bechtel Environmental, Inc. (BEI) to conduct a site inspection prioritization (SIP) of the Ram Chem site in Gardena, Los Angeles County, Calif., using the EPA's Hazard Ranking System (HRS) criteria. The HRS assesses the relative threat associated with actual or potential releases of hazardous substances at the site. The HRS has been adopted by the EPA to help set priorities for further evaluation and eventual remedial action at hazardous waste sites. The HRS is the primary method of determining a site's eligibility for placement on the National Priorities List (NPL). The NPL identifies sites at which the EPA may conduct remedial response actions. This report summarizes the results of the SIP of the Ram Chem site.

The Ram Chem site is located at 210 East Alondra Blvd., in Gardena, Calif. The geographic coordinates for the site are 33° 53' 8.5" N latitude and 118° 16' 22.5" W longitude (Township 3 South, Range 13 West, Inglewood, Calif., 7.5-minute quadrangle) (1). The location of the site is shown in Figure 1-1.

The Ram Chem site was identified as a potential hazardous waste site and entered into the Comprehensive Environmental Response, Compensation, and Liability Information System (CERCLIS) on September 1, 1985 (CAD 071911501). A preliminary assessment (PA) was conducted on January 1, 1986 and a PA reassessment was conducted on November 10, 1988. A site inspection (SI) was conducted on September 18, 1989. (2)

1.1 Apparent Problem

The apparent problem at the site is:

- Records at the Los Angeles County Department of Public Works (DPW), Waste Management Division (formerly known as the County of Los Angeles, Department of County Engineer, Project Planning and Pollution Control Division), indicate that between 1965 and 1982 a series of violations associated with hazardous material and hazardous waste handling practices occurred on site (3).

2.0 SITE DESCRIPTION

The approximate 4-acre site is bordered to the north by East Alondra Boulevard, a four-lane road; to the south and east by commercial and industrial facilities; and to the west by Ball Avenue, a two-lane road. The site is completely fenced and is covered with asphalt, concrete, and buildings. Lilly Industries, Inc. has operated on site since 1989. Lilly Industries, Inc. purchased the Ram Chemical Company, a Division of the Whittaker Corporation, in October 1989 and currently performs the same types of operations on site as were performed on site by the Ram Chemical Company. (4)

Thirteen buildings are on site, including two office buildings, a gel coat blending and tinting building, a compounding and dispersion milling building, a powdered raw material storage building, two compounding buildings, a maintenance building, an organic peroxide storage building, a fill station building, a new container storage building, a finished goods and hazardous

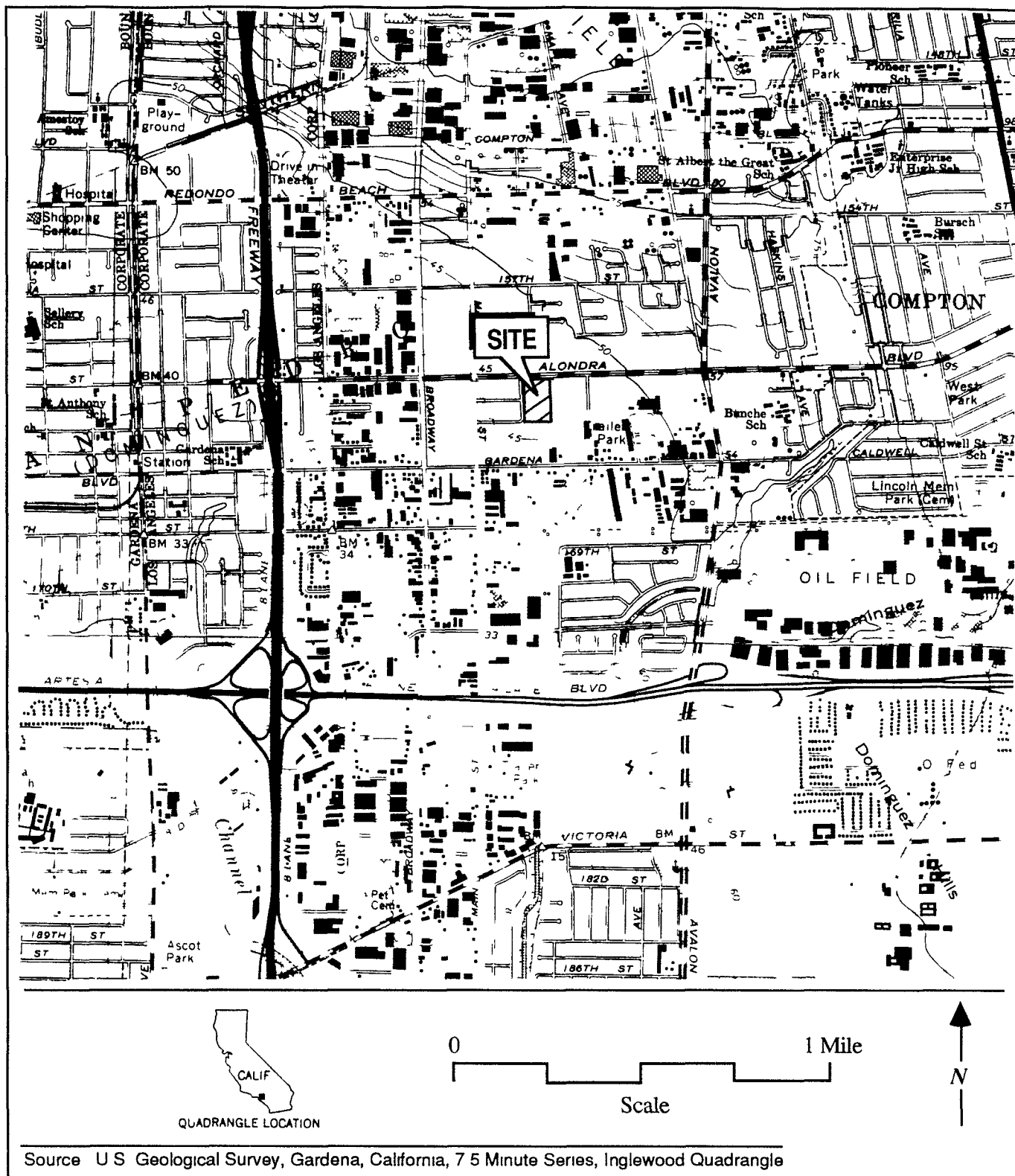


Figure 1-1 Site Location

waste storage building, and a finished goods storage building. (5)

Lilly Industries, Inc. manufactures mold releases and gel coatings on site. Mold release manufacturing involves mixing water-based waxes, solvents, and other additives. The mold releases are mixed in vats in the maintenance building. Gel coat manufacturing involves the mixing of pigments, plasticizers and other liquids in large vats in the compounding buildings. The mixed mold release and gel coating products are transferred to the fill station building using a portable tank and dispensed into 5-gallon and 55-gallon drums for distribution. Hazardous wastes generated by Lilly Industries, Inc. include off-specification raw materials, off-specification finished products, wash solvents (acetone and styrene), wastewater, and solid materials (rags, wipes and filters) contaminated with hazardous materials. Wash solvent wastes and solid material wastes are generated in the three compounding buildings and one of the fill station buildings. Wastewater is generated at various locations on site. In 1993, approximately 22,203 pounds of hazardous wastes were generated by Lilly Industries, Inc. Within 90 days of accumulation, the hazardous wastes are disposed of off site. All hazardous wastes are stored in 55-gallon drums in the hazardous waste storage building prior to offsite disposal. With the exception of wastewater, offsite disposal consists of incineration. Wastewater is taken off site and treated. (5) Hazardous wastes, including wastewater, are transported to and disposed of in Denton, Arkansas, by Rineco Environmental. (4) Similar hazardous wastes were generated on site by the former facility operator, the Ram Chemical Company. Reportedly, the Ram Chemical Company generated approximately 200 drums and 8 tons of hazardous wastes annually. The Ram Chemical Company's hazardous wastes were disposed of at a permitted landfill. (3)

Lilly Industries, Inc. has permits from the Los Angeles County Flood Control District and the Sanitation District of Los Angeles County for storm drain discharge, from the California Environmental Protection Agency, Regional Water Quality Control Board, for industrial stormwater discharge, and from the South Coast Air Quality Management District for air discharges for various site operations. All the permits are current. (5,6,7)

3.0 SITE INSPECTION PRIORITIZATION CONSIDERATIONS

- DPW files indicate several violations concerning hazardous material and hazardous waste handling practices on site between 1965 and 1984. DPW inspection records document that in 1965 a drum of unspecified chemicals spilled on site, that in 1972 an unspecified liquid of pH 14 was spilled on site, and that on September 20, 1982 a greenish colored fluid was reported to be flowing from the site into the street. DPW files indicate that the violations were resolved. (3) Recent inspection records indicate that the site is in compliance with DPW requirements (5,6).
- In 1985, five underground solvent storage tanks were excavated and removed from the site. Reportedly, soil samples collected from beneath the tanks were analyzed for volatile organic compounds using EPA Method 8840 (sic). No volatile organic compounds were detected. The underground storage tanks were properly closed under permit from the DPW. (8,9,10,11)

4.0 PERTINENT HAZARD RANKING SYSTEM FACTORS

The following pertinent Hazard Ranking System factors are associated with the site:

- The groundwater migration pathway does not appear to be of concern because a release of site-related contaminants to groundwater cannot be established. A bottled-water distributor's water supply well, located approximately 1,000 feet north of the site, is screened in the Lynwood Aquifer from 357 feet to 371 feet below ground surface (bgs) and in the Silverado Aquifer from 632 feet to 657 feet bgs (13). The groundwater flow directions of the Lynwood and Silverado aquifers beneath the site are unknown. Groundwater samples from this well were last analyzed in July 1991 for a variety of parameters, including volatile organic compounds using EPA methods 502.2 and 504 and for metals using various EPA methods. No volatile organic compounds were detected. Iron was detected at 0.06 milligrams per liter (mg/l), magnesium was detected at 7.6 mg/l, and manganese was detected at 0.022 mg/l. (14) The nearest municipal water supply wells, Southern 3 and Southern 4, are located approximately 2 miles northwest of the site and a municipal well, Dalton 1, is located approximately 2 miles southwest of the site. Groundwater samples from these wells were last analyzed in 1994 for volatile organic compounds using EPA Method 502.2 and no volatile organic compounds were detected (15). Groundwater samples from these wells were analyzed for metals in 1992 and no metals were detected (analytical methods were not reported) (16).
- The surface water migration pathway does not appear to be of concern because the only surface water body within 2 miles of the site, the Dominguez Channel, is approximately 1.5 miles southwest of the site and is a concrete-lined flood control channel. No drinking water intakes are associated with this channel within 15 miles downstream of the site. (12)
- The soil exposure and air migration pathways do not appear to be of concern because there are no daycare centers, schools or residences on site. Additionally, the site is completely fenced and is covered with asphalt pavement, concrete pavement, and buildings.(4)

REMEDIAL SITE ASSESSMENT DECISION - EPA REGION IX

Site Name: Rom Chem EPA ID#: CAD 071911051

Alias Site Names: _____

City: Gardena County or Parish: Los Angeles State: CA

Refer to Report Dated: 5/26/94 Report type: SIP

Report developed by: Bechtel Environmental, Inc.

DECISION:

☒ 1. Further Remedial Site Assessment under CERCLA (Superfund) is not required because:

☒ 1a. Site does not qualify for further remedial site assessment under CERCLA (Site Evaluation Accomplished - SEA)

☐ 1b. Site may qualify for further action, but is deferred to:

☐ RCRA
☐ NRC

☐ 2. Further Assessment Needed Under CERCLA:

2a. (optional) Priority: ☐ Higher ☐ Lower

2b. Activity Type: ☐ PA ☐ ESI
☐ SI ☐ HRS evaluation

☐ Other: _____

DISCUSSION/RATIONALE:

Report Reviewed,
Approved, and Site
Decision Made by:

DANA D. BARTON

Signature:

Dana D. Barton

Date:

6/20/94

APPENDIX A

REFERENCE LIST

Site: Ram Chem

1. U.S. Geological Survey, Inglewood Quadrangle, Calif., 7.5-Minute Series (topographic), Photorevised 1981.
2. Comprehensive Environmental Response, Compensation, and Liability Information System (CERCLIS), March 7, 1994.
3. Watson, Thomas L., Ecology and Environment, Inc., Screening Site Inspection, Ram Chemical Corporation, August 12, 1989.
4. Geisler, Maynard, Bechtel Environmental, Inc., Site Reconnaissance Interview and Observations Report, April 6, 1994.
5. Jorgensen Environmental, Inc., Compilation of Information for Environmental Protection Agency/Bechtel Site Inspection, March 1994.
6. Los Angeles County Department of Public Works, Hazardous Materials Section, Field Inspection Notes, October 29, 1992; October 2, 1993; April 29, 1993; July 29, 1993; October 28, 1993; and January 31, 1994.
7. Hernandez, Malesio, South Coast Air Quality Management District, Telephone conversation recorded on Contact Report by Maynard Geisler, Bechtel Environmental, Inc., April 25, 1994.
8. Tidemanson, T.A., County of Los Angeles, Department of Public Works, Letter to Dr. C. Zdunkiewicz, Ram Chemicals Division, July 2, 1985.
9. County of Los Angeles, Department of County Engineer-Facilities Sanitation Division, Application for Closure of Hazardous Materials Underground Storage, Application Number 00264B, January 8, 1985.
10. County of Los Angeles, Department of County Engineer-Facilities Sanitation Division, Application for Closure of Hazardous Materials Underground Storage, Application Number 00265B, January 8, 1985.
11. Research and Development Testing, Summary of Laboratory Report 35051, March 22, 1985.
12. Kuo, Frank, Los Angeles Department of Public Works, Waste Management Division, Telephone conversation recorded on Contact Report by Sally Bobb, Bechtel Environmental, Inc., May 3, 1993.

REFERENCE LIST (Cont'd)

Site: Ram Chem

13. Los Angeles County Flood Control District, Water Conservation Division, Well Data Report, 3S/13W-29D6.
14. Connelly, Christine, McKesson Water Products Company, Letter With Attachments to Maynard Geisler, Bechtel Environmental, Inc., April 13, 1994.
15. Clinical Laboratory of San Bernardino, Inc., Organic Analysis, Laboratory Reports for: Dalton Well 01 - March 3, 1994; South Well 03 - March 7, 1994; Southern 4 - May 10, 1994.
16. Montgomery Laboratories, General Mineral, Physical, Inorganic, & Radiological Chemical Analyses Laboratory Reports for: Dalton 1 - February 26, 1992; Southern 3 - February 20, 1992; and Southern 4 - April 21, 1994.

APPENDIX B

CONTACT LOG

Site: Ram Chem

EPA ID: CAD 071911051

Name	Affiliation	Phone	Date	Information
Van Nguyen	City of Lynwood, Department of Water	(310) 603-0220	10/6/92	See Contact Report.
Frank Kuo	Los Angeles County Department of Public Works	(818) 458-6989	5/3/93	See Contact Report.
Sandy Schaper	City of Torrance, Water Department	(310) 618-6285	11/22/93	See Contact Report.
Gordon Loutitt	Whittaker Corp.	(213) 475-9411	3/21/94	The Whittaker Corp. no longer operates the manufacturing facility on site. The facility was sold to Lilly Industrial, Inc. in 1989.
Len Pulman	Lilly Industries, Inc.	(310) 321-0710	3/21/94	Site visit scheduled for March 31, 1994.
Christa Russell	Lilly Industries, Inc.	(317) 687-6722	3/22/94	She will attend site visit if possible.
Julie Johnson	California Environmental Protection Agency, Department of Toxic Substances Control, Region 4 (DTSC)	(310) 590-4980	3/23/94	The DTSC has no files or records of Ram Chem at 210 East Alondra Blvd., Gardena (EPA ID CAD 071911051).
Hoda Hassan	Los Angeles County Department of Public Works (DPW), Waste Management Division	(818) 458-2539	3/23/94	The DPW has files on the site.
Malesio Hernandez	South Coast Air Quality Management District	(909) 396-2152	4/25/94	See Contact Report.

APPENDIX C

CONTACT REPORT

332 00021

AGENCY/AFFILIATION: City of Lynwood, Department of Water		
DEPARTMENT:		
ADDRESS: 11330 Bullis Road	CITY: Lynwood	
COUNTY: Los Angeles	STATE: CA	ZIP: 90262
CONTACT(S)	TITLE	PHONE
Mr. Van Nguyen	Civil Engineering Assistant	310-603-0220
BEI PERSON MAKING CONTACT: Gary Yao G.Y.		DATE: 10/06/92
SUBJECT: Information on the City of Lynwood municipal water system		
SITE NAME: Indian Wells Estates, Inc.		EPA ID: CAD 008375776

DISCUSSION:

Mr. Nguyen informed me that the City of Lynwood municipal water system obtains 75 percent of its water from seven active groundwater wells. The Metropolitan Water District supplies the other 25 percent. The wells are located at the following locations:

Well 5	Northwest corner of Elm Street and Walnut Avenue
Well 6	11337 Esther Street
Well 8	11331 Bullis Road
Well 9	Northwest corner of Bradfield Avenue and Carlin Avenue
Well 11	11645 Esther Street
Well 15	5212 Imperial Highway
Well 19	2600 Industry Way
Well 20	11720 Thorson Avenue

STAND-BY WELL
~~STAND-BY WELL~~

These wells have intermittent perforations from 500 feet to 900 feet below ground surface. ~~Currently, well 20 is a standby well in the system. There are currently no standby wells in this blended system.~~ According to Mr. Nguyen, all wells are tested for hazardous substances. Wells 5 and 15 are contaminated with perchloroethylene (PCE), but the concentrations are below the Maximum Contaminant Level (MCL). According to Mr. Nguyen, the PCE contamination is originating from the northeast, probably from the City of Downey. Well 20 shows levels of iron and manganese that are above the MCLs. Approximately 61,950 people are being served by the City of Lynwood municipal water system.

CONTACT CONCURRENCE:

Van Nguyen

DATE: 10/28/92

CONTACT REPORT

AGENCY/AFFILIATION: Los Angeles Department of Public Works		
DEPARTMENT: Waste Management Division		
ADDRESS: P.O. Box 1460	CITY: Alhambra	
COUNTY: Los Angeles	STATE: CA	ZIP: 91802-1460
CONTACT(S)	TITLE	PHONE
Frank Kuo	Supervising Regional Planner	(818) 458-6989
BEI PERSON MAKING CONTACT: Sally Bobb <i>SB</i>		<i>JS</i> DATE: 5/3/93
SUBJECT: Torrance stormdrain system		
SITE NAME: Allied Signal		EPA ID: CAD 071896336

DISCUSSION:

~~Surface water runoff from the site located at 2525 190th Street in Torrance enters a private storm drain system and flows east into a city system before entering the county storm drain system. Water in the county system continues flowing east/southeast before discharging into the concrete-lined Dominguez Channel. Water in the channel eventually discharges into the San Pedro Bay.~~

IN THE GENERAL AREA AROUND *EVENTUALLY ENTER*
AND

The Dominguez Channel is not used as a source of drinking water downstream from the storm drain outfall.

CONTACT CONCURRENCE: *7 FKuo* DATE: *5/11/93*



CONTACT REPORT

803 0023

AGENCY/AFFILIATION: City of Torrance Water Department		
DEPARTMENT:		
ADDRESS: 3031 Torrance Boulevard		CITY: Torrance
COUNTY: Los Angeles	STATE: CA	ZIP: 90503
CONTACT(S) Sandy Schaper	TITLE Water Service Supervisor	PHONE (310) 618-6285
BEI PERSON MAKING CONTACT: Kate Dragolovich KO 38		DATE: November 22, 1993
SUBJECT: Drinking Water System		
SITE NAME: Del Amo Pits		EPA ID: CAD 029544731

DISCUSSION:

The following information is applicable for each of the past 5 years (1988 through 1992):

- There are three active drinking water wells in the City of Torrance Water Department's drinking water system. Well 4 is located at 1001 Elm Avenue near the intersection of Torrance and Crenshaw Boulevards, Well 5 is located at the intersection of Maricopa Street and Alaska Avenue, and Well 6 is located in McMaster Park on Artesia Boulevard between Prairie Avenue and Crenshaw Boulevard. These wells are physically connected to one another and feed into the same distribution system.
- There are no standby wells in the City of Torrance Water Department's drinking water system.
- The average annual contribution of surface water and groundwater to the blended system is approximately 85 percent Metropolitan Water District (MWD) imported surface water and 15 percent groundwater.
- The three active wells pump approximately 2,000 gallons of water per minute (gpm). Well 4 and Well 5 are operated 24 hours per day, while Well 6 is only utilized for 8 hours each day.
- The total population served by the blended system is approximately ^{100,000} 120,000.

CONTACT CONCURRENCE: 

DATE: 11/30/93

RECEIVED

NOV 29 1993

CONTACT REPORT

AGENCY/AFFILIATION: South Coast Air Quality Management District		CODE:
DEPARTMENT:		
ADDRESS: 21865 East Copley Dr.		CITY: Diamond Bar
COUNTY: Los Angeles	STATE: CA	ZIP: 91765-4182
CONTACT(S) Melisio Hernandez	TITLE	PHONE (909) 396-2152
BEI PERSON MAKING CONTACT: Maynard Geisler <i>MG</i> <i>JD</i>		DATE: 4/25/94
SUBJECT: Compliance Status of Lilly Industries, Inc.		
SITE NAME: RAM Chem		EPA ID: CAD 071911051

DISCUSSION:

The Ram Chem site located at 210 East Alondra Blvd. is currently occupied by Lilly Industries, Inc. Lilly Industries, Inc. has several permits issued by the South Coast Air Quality Management District (SCAQMD). The last inspection by the SCAQMD of Lilly Industries, Inc. was in September 1993. At that time, Lilly Industries, Inc. was issued a Notice to Comply for: 1) failure to submit a plan for cleaning the mixing tanks, and 2) failure to post SCAQMD permits. To date these items have ~~not~~ been rectified by Lilly Industries, Inc. There are no other outstanding issues concerning Lilly Industries, Inc.'s compliance with SCAQMD regulations.

CONTACT CONCURRENCE:

Melisio Hernandez

DATE:

5-9-94

APPENDIX D

SITE RECONNAISSANCE INTERVIEW AND OBSERVATIONS REPORT

Bechtel Environmental, Inc.
P.O. Box 193965
San Francisco, CA 94119-3965

OBSERVATIONS MADE BY: Maynard Geisler

DATE: April 6, 1994

FACILITY REPRESENTATIVE(S) and TITLE(S):

Jim Bryant, Western Regional Operations Manager, Lilly Industries, Inc.
Len Pulman, Technical Director, Lilly Industries, Inc.
Duane Gillis, Plant Manager, Lilly Industries, Inc.
Christa Russell, Environmental Compliance, Lilly Industries, Inc.
Michael Schell, Jorgensen Environmental, Inc.

SITE: Ram Chem

EPA ID: CAD 071911051

A site reconnaissance was conducted at the Ram Chem site on April 6, 1994. The weather was sunny and the temperature was approximately 70°F. The Bechtel Environmental, Inc. (BEI) representative, Maynard Geisler, conducted the site reconnaissance with Jim Bryant, Len Pulman, Duane Gillis, Christa Russell, and Michael Schell at 10:00 a.m. to gather information on the site location and size, site history, processes used, and any hazardous waste generated, treated, stored, or disposed of on site. The BEI representative was provided with a packet of information prepared in response to BEI's letter dated March 23, 1994. The reconnaissance included a site tour during which photographs were taken.

The following information was obtained during the site reconnaissance:

The site is located at 210 East Alondra Blvd. in Gardena, Los Angeles County, Calif. The approximate 4-acre site is bounded to the north by East Alondra Boulevard, a four-lane road; to the south and east by commercial and industrial facilities; and to the west by Ball Avenue, a two-lane road. The site is owned by Dr. Robert Steinman and the facility on site is operated by Lilly Industries, Inc. The site is completely fenced and is covered with asphalt, concrete, and buildings. There are no daycare centers, schools, or residencies on or within 200 feet of the site. Lilly Industries, Inc. manufactures mold releases and gel coatings on site. In October 1989, Lilly Industries, Inc. purchased the Ram Chemical Company, a Division of the Whittaker Corporation, which performed the same types of operations on site as are currently performed on site by Lilly Industries, Inc.

Thirteen buildings are on site, including two office buildings, a gel coat blending and tinting building, a compounding and dispersion milling building, a powered raw material storage building, two compounding buildings, a maintenance building, an organic peroxide storage building, a fill station building, a new container storage building, a finished goods and hazardous waste storage building, and a finished goods storage building. Gel coat manufacturing involves

SITE RECONNAISSANCE INTERVIEW AND OBSERVATIONS REPORT (Cont'd)

Site: Ram Chem

the mixing of pigments, plasticizers and other liquids in large vats in the compounding buildings. The mixed product is then transferred to the fill station building using a portable tank and packaged in 5-gallon and 55-gallon drums. Mold releases are water-based waxes containing solvents, waxes, and other additives. The mold releases are mixed in the maintenance building. The finished product is then transferred to the fill station building using a portable tank and packaged in 5-gallon and 55-gallon drums. Numerous raw materials are stored on site, including 16,000 gallons of resin in eight aboveground storage tanks, 3,000 gallons of styrene monomer in two aboveground storage tanks, 550 gallons of acetone in 55-gallon drums, 220 gallons of methylene chloride in 55-gallon drums, 220 gallons of 1,1,1-trichloroethane in 55-gallon drums, 220 gallons of naphtha in 55-gallon drums, 330 gallons of methyl ethyl ketone in 55-gallon drums, and various powered pigments containing lead, chromium, cadmium, titanium, aluminum, antimony, and zinc in drums and bags that weigh approximately 30,200 pounds. Hazardous wastes generated by Lilly Industries, Inc. include off-specification raw materials and finished products, wash solvents (acetone and styrene), wastewater, laboratory wastes, and solid materials (rags, wipes and filters) contaminated with products. Wash solvent wastes and solid material wastes are generated in the three compounding buildings and in one of the fill area buildings. Laboratory wastes are generated in one of the office buildings. Wastewater is generated at various locations on site. All wastes are stored in the hazardous waste storage building prior to offsite disposal. Offsite disposal includes incineration and treatment. Hazardous wastes are transported to and disposed of in Denton, Arkansas, by Rineco Environmental.

Stormwater runoff drains into two small sumps and into a large catch basin on site. Stormwater from the small sumps is pumped to the catch basin. The catch basin is asphalt lined and is approximately 30 feet square and 5 feet deep. Lilly Industries, Inc. relined the catch basin with asphalt in 1991. Stormwater from the catch basin is pumped to a 5,000-gallon aboveground storage tank. Water from the aboveground storage tank is periodically analyzed, as required by the Los Angeles County Department of Public Works, and upon meeting permit discharge requirements is discharged to the sanitary sewer/storm drain system. Although the catch basin also serves to collect hazardous material spills on site, no spills have occurred on site since Lilly Industries, Inc. has operated the site.

Lilly Industries, Inc. has permits from the Los Angeles County Flood Control District for storm drain discharge, from the Sanitation District of Los Angeles County for stormwater discharge, from the California Environmental Protection Agency, Regional Water Quality Control Board, for industrial stormwater discharge, and from the South Coast Air Quality Management District for various site operations. According to Lilly Industries, Inc. representatives, all the permits are current and there are no records of violations.

Bechtel

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San Francisco, CA 94105-1895
Mailing address: P.O. Box 193965
San Francisco, CA 94119-3965

**REFERENCES
for****Site Inspection Prioritization**

Site: Ram Chem
210 East Alondra Blvd.
Gardena, CA 90248

Site EPA ID Number: CAD 071911051

Work Assignment Number: 60-32-9JZZ, ARCSWEST Program

Submitted to: Michael Bellot
Site Assessment Manager
EPA Region IX

Thru: Sandra Carroll

Date: May 26, 1994

Prepared by: Maynard Geisler *MG*

Review and Concurrence: Catherine C. Walton *CW*



Bechtel Environmental, Inc.

REFERENCE LIST

Site: Ram Chem

1. U.S. Geological Survey, Inglewood Quadrangle, Calif., 7.5-Minute Series (topographic), Photorevised 1981.
2. Comprehensive Environmental Response, Compensation, and Liability Information System (CERCLIS), March 7, 1994.
3. Watson, Thomas L., Ecology and Environment, Inc., Screening Site Inspection, Ram Chemical Corporation, August 12, 1989.
4. Geisler, Maynard, Bechtel Environmental, Inc., Site Reconnaissance Interview and Observations Report, April 6, 1994.
5. Jorgensen Environmental, Inc., Compilation of Information for Environmental Protection Agency/Bechtel Site Inspection, March 1994.
6. Los Angeles County Department of Public Works, Hazardous Materials Section, Field Inspection Notes, October 29, 1992; October 2, 1993; April 29, 1993; July 29, 1993; October 28, 1993; and January 31, 1994.
7. Hernandez, Malesio, South Coast Air Quality Management District, Telephone conversation recorded on Contact Report by Maynard Geisler, Bechtel Environmental, Inc., April 25, 1994.
8. Tidemanson, T.A., County of Los Angeles, Department of Public Works, Letter to Dr. C. Zdunkiewicz, Ram Chemicals Division, July 2, 1985.
9. County of Los Angeles, Department of County Engineer-Facilities Sanitation Division, Application for Closure of Hazardous Materials Underground Storage, Application Number 00264B, January 8, 1985.
10. County of Los Angeles, Department of County Engineer-Facilities Sanitation Division, Application for Closure of Hazardous Materials Underground Storage, Application Number 00265B, January 8, 1985.
11. Research and Development Testing, Summary of Laboratory Report 35051, March 22, 1985.
12. Kuo, Frank, Los Angeles Department of Public Works, Waste Management Division, Telephone conversation recorded on Contact Report by Sally Bobb, Bechtel Environmental, Inc., May 3, 1993.

REFERENCE LIST (Cont'd)

Site: Ram Chem

13. Los Angeles County Flood Control District, Water Conservation Division, Well Data Report, 3S/13W-29D6.
14. Connelly, Christine, McKesson Water Products Company, Letter With Attachments to Maynard Geisler, Bechtel Environmental, Inc., April 13, 1994.
15. Clinical Laboratory of San Bernardino, Inc., Organic Analysis, Laboratory Reports for: Dalton Well 01 - March 3, 1994; South Well 03 - March 7, 1994; Southern 4 - May 10, 1994.
16. Montgomery Laboratories, General Mineral, Physical, Inorganic, & Radiological Chemical Analyses Laboratory Reports for: Dalton 1 - February 26, 1992; Southern 3 - February 20, 1992; and Southern 4 - April 21, 1994.

Information extracted from:

U.S. Geological Survey, Inglewood Quadrangle, California, 7.5-Minute Series (topographic),
Photorevised 1981.

EPA REGION IX - CERCLIS SITES
LIST-8 REPORT FOR REGION IX
SORTED BY SITE NAME

EPA ID NO.	SITE NAME STREET CITY, COUNTY CODE AND NAME	STATE ZIP CONG DIST.	EVENT QUALIF	OP UN	EVENT TYPE	ACTUAL START DATE	ACTUAL COMPL DATE	CURRENT EVENT LEAD	N P L
			N		PA1		09/01/88	STATE(FUND)	N
AZD983474180	RAINBOW SLUMP BLOCK CO 3575 WEST CLARENDON AVE PHOENIX 013 MARICOPA	AZ 85017 AZ-02		00	DS1 PA1		01/02/92 01/29/93	EPA (FUND) STATE(FUND)	N N
CAD981995947	RALPH GRAY TRUCKING CO. SOWELL AVE & GOLDEN WEST ST WESTMINSTER 059 ORANGE	CA 92683 CA-38		00	DS1 ES1 PA1 SI1 NF1		03/01/87 05/31/89 09/15/89 09/15/89 10/14/92	STATE(FUND) EPA (FUND) EPA (FUND) EPA (FUND) EPA (FUND)	F F F F F
AZD982505877	RALPH HAYS ROOFING 2550 W. POPPY ST. TUCSON 019 PIMA	AZ 85705 AZ-02		00	DS1		12/07/92	STATE(FUND)	N
CAD001911051	RAM CHEM 210 E ALONDRA BLVD GARDENA 037 LOS ANGELES	CA 90248 CA-31		00	DS1 PA1 PA2 SI1	07/01/85	09/01/85 01/01/86 11/10/88 09/18/89	STATE(FUND) STATE(FUND) EPA (FUND) EPA (FUND)	N N N N
CAD982359440	RAMSON ENTERPRISES INC 291 W ATEN RD IMPERIAL 025 IMPERIAL	CA 92251 CA-45		00	DS1 PA1		01/01/88 05/02/89	STATE(FUND) STATE(FUND)	N N
CAD009176058	RAN-ROB INC 631 85TH AVE OAKLAND 001 ALAMEDA	CA 94621 CA-09		00	DS1 PA1 PA2		11/01/79 12/01/84 05/01/88	EPA (FUND) EPA (FUND) EPA (FUND)	N N N

Information extracted from:

Watson, Thomas L., Ecology and Environment, Inc., Screening Site Inspection, Ram Chemical Corporation, August 12, 1989.

(See CERCLA folder)

APPENDIX D

SITE RECONNAISSANCE INTERVIEW AND OBSERVATIONS REPORT

Bechtel Environmental, Inc.
P.O. Box 193965
San Francisco, CA 94119-3965

OBSERVATIONS MADE BY: Maynard Geisler

DATE: April 6, 1994

FACILITY REPRESENTATIVE(S) and TITLE(S):

Jim Bryant, Western Regional Operations Manager, Lilly Industries, Inc.
Len Pulman, Technical Director, Lilly Industries, Inc.
Duane Gillis, Plant Manager, Lilly Industries, Inc.
Christa Russell, Environmental Compliance, Lilly Industries, Inc.
Michael Schell, Jorgensen Environmental, Inc.

SITE: Ram Chem

EPA ID: CAD 071911051

A site reconnaissance was conducted at the Ram Chem site on April 6, 1994. The weather was sunny and the temperature was approximately 70°F. The Bechtel Environmental, Inc. (BEI) representative, Maynard Geisler, conducted the site reconnaissance with Jim Bryant, Len Pulman, Duane Gillis, Christa Russell, and Michael Schell at 10:00 a.m. to gather information on the site location and size, site history, processes used, and any hazardous waste generated, treated, stored, or disposed of on site. The BEI representative was provided with a packet of information prepared in response to BEI's letter dated March 23, 1994. The reconnaissance included a site tour during which photographs were taken.

The following information was obtained during the site reconnaissance:

The site is located at 210 East Alondra Blvd. in Gardena, Los Angeles County, Calif. The approximate 4-acre site is bounded to the north by East Alondra Boulevard, a four-lane road; to the south and east by commercial and industrial facilities; and to the west by Ball Avenue, a two-lane road. The site is owned by Dr. Robert Steinman and the facility on site is operated by Lilly Industries, Inc. The site is completely fenced and is covered with asphalt, concrete, and buildings. There are no daycare centers, schools, or residencies on or within 200 feet of the site. Lilly Industries, Inc. manufactures mold releases and gel coatings on site. In October 1989, Lilly Industries, Inc. purchased the Ram Chemical Company, a Division of the Whittaker Corporation, which performed the same types of operations on site as are currently performed on site by Lilly Industries, Inc.

Thirteen buildings are on site, including two office buildings, a gel coat blending and tinting building, a compounding and dispersion milling building, a powered raw material storage building, two compounding buildings, a maintenance building, an organic peroxide storage building, a fill station building, a new container storage building, a finished goods and hazardous waste storage building, and a finished goods storage building. Gel coat manufacturing involves

SITE RECONNAISSANCE INTERVIEW AND OBSERVATIONS REPORT (Cont'd)

Site: Ram Chem

the mixing of pigments, plasticizers and other liquids in large vats in the compounding buildings. The mixed product is then transferred to the fill station building using a portable tank and packaged in 5-gallon and 55-gallon drums. Mold releases are water-based waxes containing solvents, waxes, and other additives. The mold releases are mixed in the maintenance building. The finished product is then transferred to the fill station building using a portable tank and packaged in 5-gallon and 55-gallon drums. Numerous raw materials are stored on site, including 16,000 gallons of resin in eight aboveground storage tanks, 3,000 gallons of styrene monomer in two aboveground storage tanks, 550 gallons of acetone in 55-gallon drums, 220 gallons of methylene chloride in 55-gallon drums, 220 gallons of 1,1,1-trichloroethane in 55-gallon drums, 220 gallons of naphtha in 55-gallon drums, 330 gallons of methyl ethyl ketone in 55-gallon drums, and various powdered pigments containing lead, chromium, cadmium, titanium, aluminum, antimony, and zinc in drums and bags that weigh approximately 30,200 pounds. Hazardous wastes generated by Lilly Industries, Inc. include off-specification raw materials and finished products, wash solvents (acetone and styrene), wastewater, laboratory wastes, and solid materials (rags, wipes and filters) contaminated with products. Wash solvent wastes and solid material wastes are generated in the three compounding buildings and in one of the fill area buildings. Laboratory wastes are generated in one of the office buildings. Wastewater is generated at various locations on site. All wastes are stored in the hazardous waste storage building prior to offsite disposal. Offsite disposal includes incineration and treatment. Hazardous wastes are transported to and disposed of in Denton, Arkansas, by Rineco Environmental.

Stormwater runoff drains into two small sumps and into a large catch basin on site. Stormwater from the small sumps is pumped to the catch basin. The catch basin is asphalt lined and is approximately 30 feet square and 5 feet deep. Lilly Industries, Inc. relined the catch basin with asphalt in 1991. Stormwater from the catch basin is pumped to a 5,000-gallon aboveground storage tank. Water from the aboveground storage tank is periodically analyzed, as required by the Los Angeles County Department of Public Works, and upon meeting permit discharge requirements is discharged to the sanitary sewer/storm drain system. Although the catch basin also serves to collect hazardous material spills on site, no spills have occurred on site since Lilly Industries, Inc. has operated the site.

Lilly Industries, Inc. has permits from the Los Angeles County Flood Control District for storm drain discharge, from the Sanitation District of Los Angeles County for stormwater discharge, from the California Environmental Protection Agency, Regional Water Quality Control Board, for industrial stormwater discharge, and from the South Coast Air Quality Management District for various site operations. According to Lilly Industries, Inc. representatives, all the permits are current and there are no records of violations.

Job No. 2618.94

Copy No. ____

**Compilation of Information for Environmental
Protection Agency/Bechtel Site Inspection**

Lilly Industries, Inc.
210 East Alondra Boulevard
Gardena, California

March 1994



965 So. Mount Vernon Ave., Suite A
Colton, CA 92324
(909) 423-0789

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Cedar City, UT 94720
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Table I - General Facility Information and Data

Business Name:	Lilly Industries, Inc.
Facility Address:	210 East Alondra Boulevard
Mailing Address:	210 East Alondra Boulevard Gardena, California 90248
County:	Los Angeles
Phone:	(310) 352-3087
Principle Business Activity:	Manufacture of polymeric intermediates, mold releases and gel coatings.
SIC Code:	2821
Parcel Number:	1011-6125-014-011
Latitude and Longitude:	33° 52' 05" north, 118° 16' 25" west
Total Area Occupied by Site:	170,000 square feet
Responsible Person:	Mr. Jim Bryant
Site Contact:	Mr. Duane Gillis

Introduction

This compilation of information is being prepared at the request and direction of Lilly Industries, Inc. located in Gardena, California for the Environmental Protection Agency Site Investigation to be conducted by Bechtel Environmental on 6 April 1994.

Reports from previous site investigations outline the pre-1990 history of the site. *Environmental Compliance Assessment* prepared by ENSR Consulting and Engineering in March 1989 and *CERCLA Screening Site Inspection* prepared by Ecology and Environment, Inc. for USEPA in August 1989 are included as attachments.

Lilly Industries, Inc. purchased RAM Chemicals Division of the Whittaker Corporation in late 1989. The purpose of this document is to build on the pre-1990 information presented in the reports from previous site investigations and to characterize activities conducted at the site since 1990 by Lilly Industries.

Site Description

Lilly Industries, Inc. ("Lilly") is located at 210 East Alondra Boulevard in Gardena ("site") in a commercial and manufacturing area in the southeastern portion of Los Angeles County. The site is neighbored by other manufacturing facilities.

Lilly manufacturers polymeric intermediates, mold releases and gel coatings at the site. All manufacturing and production processes take place in buildings located in the northern portion of the site. Offices are located in the northern portion of the main building.

The site consists of thirteen buildings (see **Facility Map**). **Table II** outlines the current use of each building at the site and other uses since 1990. Building floors at the site are concrete. Outside areas at the site are paved with concrete or asphalt.

Table II - Current and Past Use for Buildings at the Site

Building Number	Current Use	Past Use
1	Offices	Offices
2	Offices	Offices
3	Gel coat blending and tint room	Water-based paint manufacturing and tint room
4	Compounding and dispersion milling	Compounding
5	Powdered raw material storage	Powdered raw material storage
6	Compounding	Dispersion milling
7	Compounding	Compounding
8	Maintenance	Maintenance
9	Storage of minor amounts of organic peroxide	Organic peroxide bunker
10	Fill Stations	Fill Stations
11	New, empty container storage	New, empty container storage
12	Finished goods storage; main hazardous waste accumulation area	Finished goods storage
13	Finished goods storage	Finished goods storage

Process Description

Gel Coating Manufacturing

Lilly manufactures gel coatings and polymeric intermediates in several areas located in the northern portion of the site. Dry additives such as pigments, amorphous silicon dioxide, titanium dioxide and talc are manually added to the mixers through loading ports on each mixer. Each mixer is vented to one of two baghouses which remove particulate matter generated during the addition of dry materials. Compounding occurs in Buildings 4, 6 and 7. Compounding was previously conducted in Buildings 4 and 7.

Plasticizers, methyl methacrylate and other liquid additives are delivered to the mixing vessels from drums. Resins and styrene monomer are manually transferred to the mixing vessels from the resin storage tanks using portable tanks. High-speed dispersing mixers and sweep mixers are then submerged in the solution. Once the mixing cycle is complete, the finished product is either stored in the mixing vessel for further processing or metered into drums or other containers by gravity or pumps. The mixed product may also be pumped into one of two 5,000-gallon tanks and held for tinting or color matching.

Pigments and color dispersants are ground in one of two dispersion mills to achieve the proper particle size distribution. Pigments are fed into the mills in a paste form. The dispersion is then used to color or tint the specified batch. Dispersion milling occurs in one of two dispersion mills located in the southern portion of Building 4. A calendar roll mill and grinding mill were formerly located in Building 6.

The finished product is then transferred to the fill area, Building 10, using a portable tank. Finished product is pumped through a filter and dispensed to 55-gallon drums or into 5-gallon pails. The containers of finished product are then transferred to Buildings 12 and 13 located in the southern portion of the site using handcarts or forklifts.

Tinting

Tints utilized in the compounding process are prepared in the tint room located in the eastern portion of Building 3. Gel coats requiring tinting are also transferred to the tinting room using portable vessels. The coatings are tinted in the portable tank or are pumped into a drum where pre-mixed liquid colorants are manually added to achieve the desired color.

Mold Release Production

Mold releases and water-based waxes are manufactured in two batch mixing vessels located under a canopy adjacent to the south wall of the maintenance shop (Building 8). Solvents, waxes and other additives are dispensed to the vats from drums using pumps and hoses. Once the mixing cycle is complete the mold release mixtures are dispensed to portable tanks and moved to the fill area located in Building 10. The mold releases are then metered into drums or other small containers. The finished product is then transferred to the appropriate warehouse using forklifts or handcarts.

Air Compressors

Air compressors are used to pressurize lines for production processes. The air compressors are located outside adjacent to the western wall of the office building and adjacent to the southern wall of the office building.

Bulk Solvent and Styrene Monomer Storage & Handling

Bulk acetone, lacolene, isopropyl alcohol and styrene monomer are stored in aboveground storage tanks at the site. Styrene is stored in two 3,000-gallon tanks located within a concrete dike in the containment area located to the south of Building 5. Lacolene and isopropanol are each stored in a 5,000 gallon aboveground storage tank within a secondary containment structure located to the north of Building 10. The secondary containment structures serve to prevent spills or leaks from the tanks from reaching areas outside the containment area. The containment structure surrounding the isopropanol and heptane storage tanks is equipped with a drain pipe which empties into the stormwater catch basin (see **Stormwater Catch Basin**). The drain is left closed.

The bulk raw materials are conveyed to the compounding areas using portable tanks. The bulk materials are dispensed into the portable tanks using a pump, hose and nozzle. At the compounding areas the bulk raw material is either pumped or gravity drained into a mixing vessel.

Bulk Resin Storage & Handling

Bulk resins are stored in aboveground storage tanks at the site. Resins are stored in four 3,000-gallon tanks located within a concrete dike to the south of Building 5 and in five 5,000-gallon aboveground storage tanks located within a containment structure to the south of Building 10. The secondary containment structures serve to prevent spills or leaks from the tanks from reaching areas outside of the containment area.

The bulk resins are pumped from the storage tanks into portable tanks using a pump, hose and nozzle. The portable tanks containing resin are then transferred to production areas. At the compounding areas the bulk raw material is either mixed in the portable tank, or pumped or gravity drained into a mixing vessel.

Liquid Additive Storage & Handling

Minor amounts of organic peroxides in 1-gallon containers are stored in the organic peroxide storage bunker located in Building 9. Lilly is no longer storing large quantities of organic peroxides on-site. Additives such as halogenated and non-halogenated solvents, inert waxes and resins are stored in drums in the raw material storage area under canopies attached to Building 9. The drums are transported to production areas as needed using a handcart or forklift. The materials are dispensed directly to the mixing vessels in the production areas using pumps and hoses.

Dry Raw Material Storage & Handling

Dry raw materials such as powdered pigments containing chromium, lead and cadmium, talc, amorphous silica and titanium dioxide are stored in bags or drums in Building 5. The pigments are transferred to production processes as needed using forklifts or handcarts.

Finished Product Storage & Handling

Finished product is stored in drums and smaller containers inside Buildings 12 and 13 located in the southern portion of the site. The drums and other containers are transferred from the manufacturing area to the appropriate storage area using a forklift or handcart. Finished product is loaded onto trucks for shipment off-site using forklifts.

Empty Container Accumulation & Handling

Empty containers having volumes less than 30-gallons previously containing tints or raw materials are cleaned, crushed, placed in a bin and sent off-site for metal recycling. The small containers are accumulated between Buildings 4 and 5 prior to crushing. Empty drums having volumes of 30 gallons or more formerly containing raw materials are accumulated in the southern portion of the site and are returned to the raw material manufacturer for reuse. All empty containers are disposed of in accordance with local, state and federal regulations.

Miscellaneous Accumulation

Obsolete and unserviceable equipment, solid waste and other debris are accumulated in the southwestern portion of the site to the west of Building 12.

Vehicle Maintenance Areas

Lilly may perform light vehicle maintenance on forklifts at the site. Light maintenance includes bulb replacement, minor welding and fabrication. Maintenance operations involving fluids or mechanical work are performed by a third party at off-site locations.

Stormwater Collection System

Production areas, storage areas and accumulation areas at the site are graded to the stormwater collection catch basin located in the southern portion of the site. Consequently, all stormwater falling on production and material storage areas at the site is directed to the catch basin. Additionally, any potential spills are collected within the catch basin system.

Stormwater run-off collected in the catch basin is pumped into a 5,000 gallon holding tank. Stormwater collected in the catch basin beyond the capacity of the holding tank is maintained in the catch basin until the holding tank is capable of processing additional stormwater. If the catch basin approaches an overflow situation the excess stormwater is released to the storm drain system.

Stormwater run-off residing in the holding tank is tested and, if it meets sewer discharge limitations set forth by the County Sanitation Districts of Los Angeles County, it is discharged

to the sanitary sewer/stormdrain system. If the stormwater residing in the holding tank is determined to have pollutant concentrations above sewer discharge limitations it is disposed of as a liquid waste in accordance with local, state and federal regulations. Sediment remaining in the collection sump and the holding tank is periodically removed and tested. If it is determined that the sediment exhibits a characteristic of a hazardous waste, it is disposed of in accordance with local, state and federal regulations.

The stormwater catch basin system may also be used to contain large spills of materials. Spills collected in the stormwater collection sump are removed and tested. If the spilled material is determined to exhibit the characteristic of a hazardous waste it is disposed of in accordance with local, state and federal regulations. Upon the removal of spilled materials from the catch basin, portions of the collection system affected by the spill are thoroughly cleaned according to a written spill response procedure.

Hazardous Waste Management & Disposal Practices

Lilly currently is a generator of numerous organic solvent-based hazardous wastes and miscellaneous hazardous wastes related to its production of gel coatings, mold releases and polymeric intermediates. Lilly utilizes satellite accumulation areas within the plant and a container accumulation area within Building 12 to accumulate hazardous waste. Activities conducted to catalyze waste gel coating and the crushing of empty containers at the site are regulated under the California-regulated tiered permitting structure of AB1772 (1992).

The main hazardous waste accumulation area is currently located in Building 12. Hazardous waste was formerly accumulated in an open area to the south of the stormwater catch basin. The main hazardous waste accumulation area and satellite accumulation areas are inspected on a weekly basis for the condition of containers and other operational parameters.

Lilly currently generates solid wastes which could, depending on characteristics, potentially be state or federally-regulated hazardous wastes. Each hazardous waste stream has been analyzed by an state-certified independent laboratory with knowledge of the generating process applied to identify potential constituents of concern. Lilly may also use generator knowledge of the process used to generate the waste to identify potential constituents of concern. Lilly then compares the results of the laboratory analyses to regulatory levels and determines the technical description for Department of Transportation (DOT) shipping purposes and for listing

the state and USEPA hazardous waste codes or classifications of that hazardous waste. **Table III** contains a summary of the liquid and solid wastes generated at the site and the potential hazardous waste parameters.

Occasionally Lilly may generate hazardous wastes not listed in **Table III**. Changes in the processes or chemicals used could change the characteristics of existing hazardous waste streams or cause new hazardous waste streams to be generated. If this occurs, the Hazardous Waste Manager is contacted immediately for proper packaging and labeling requirements for the new hazardous waste stream.

Table III - Solid Wastes Currently Generated at Lilly

Solid Waste	Potential Hazardous Waste Parameters
Empty bags and liners formerly containing pigments	Toxicity (chromium, lead, barium, cadmium, selenium)
Non-chlorinated wash solvent from tank and mixer cleanup	Toxicity (chromium, lead, barium, cadmium, selenium) Ignitability (flash point) Non-specific Source Listed Wastes (acetone, styrene)
Wastewater containing solvent	Toxicity (methyl ethyl ketone) Non-specific Source Listed Wastes (1,1,1-trichloroethane, methylene chloride)
Wastewater containing isopropyl alcohol	Ignitability (flash point)
Paint sludge or slops and uncatalyzed gel coat	Toxicity (chromium, lead, barium, cadmium, selenium) Ignitability (flash point) Non-specific Source Listed Wastes (acetone, styrene)
Rags, wipes, utensils, filters and other small equipment contaminated with solvents and/or pigments	Toxicity (chromium, lead, barium, cadmium, selenium) Ignitability (flash point) Non-specific Source Listed Wastes (MEK, xylene, acetone, styrene, 1,1,1-trichloroethane, methylene chloride)
Off-specification finished product	see Material Safety Data Sheet
Absorbent material containing gel coat (styrene) and acetone	Ignitability (flash point) Non-specific Source Listed Wastes (acetone, styrene)
Catalyzed gel coat containing pigments with heavy metals	Toxicity (chromium, lead, barium, cadmium, selenium) Non-specific Source Listed Wastes (acetone, styrene)

Table III - Solid Wastes Currently Generated at Lilly

Solid Waste	Potential Hazardous Waste Parameters
Used baghouse filters	Toxicity (chromium, lead, barium, cadmium, selenium)
Floor sweepings	Toxicity (chromium, lead, barium, cadmium, selenium)
Waste oils and lubricants	Oil & grease
Absorbent material with oil	Oil & grease

Lilly is currently using material removed from the baghouses and floor sweeping in back-up gel coat which is added to low-specification, dark-colored batches as an extender. Rags, wipes, filters and minor amounts of gel coat sludge and slops are combined in the satellite accumulation containers. Useable off-specification finished product may be used as back-up gel coat. Other off-specification finished product not containing heavy metal pigments is treated on-site. Off-specification finished product containing heavy metal pigments is not treated on-site and is shipped off-site for incineration. Table IV provides details concerning the amount of hazardous wastes generated and their disposition for calendar years 1990 through 1993.

Table IV - Hazardous Wastes Shipped Off-Site for Calendar Years 1990 through 1993

Waste Stream	Amount (lbs/yr)	Disposition
1993		
Off specification raw material	818	Off-site incineration
Off-specification finished product	1,540	Off-site incineration
Wastewater	5,400	Off-site treatment
Laboratory wastes from inventory	865	Off-site treatment/incineration
Rags, wipes, filters and other material containing gel coat (styrene) and acetone	18,980	Off-site incineration

1992		
Waste wash solvent	48,300	Off-site incineration
Off-specification raw material	1,640	Off-site incineration
Off-specification finished product	1,600	Off-site incineration
Wastewater	7,440	Off-site treatment
1991		
Waste wash solvent	19,300	Off-site incineration
1990		
Waste wash solvent	27,000	Off-site incineration

Description of Collection System

To ensure that hazardous wastes are handled in accordance with local, state and federal law, Lilly has procedures for collection of hazardous waste and accountability for their disposition. The Hazardous Waste Manager is responsible for proper handling of hazardous wastes at Lilly. Department supervisors are responsible for ensuring proper handling of hazardous waste within their own departments.

Each type of hazardous waste is handled according to its particular characteristics. Certain hazardous wastes are taken directly to the main hazardous waste accumulation area, while others may be accumulated in satellite locations in the production departments and then taken to the main hazardous waste accumulation area after the appropriate accumulation time period has been reached or the container is full (see **Accumulation Time Period**).

Closure of Containers

Unless actually filling or removing the contents of a container, the container is kept closed. For drums with removable lids, "closed" means that the bungs are installed hand-tight in the lid, the lid is placed on the drum, the lid ring and bolt are installed, and the bolt is hand-tight. For drums with non-removable lids, "closed" means that the bungs are installed hand-tight.

Accumulation Time Period

The **Main Hazardous Waste Accumulation Area and Satellite Accumulation Areas Map** illustrates which departments utilize satellite accumulation. **Table V** contains a list of hazardous wastes for which satellite accumulation can be used.

Hazardous waste streams generated in satellite areas are accumulated at the site for the lesser of either: 1) one year or 2) 90 days past the date when the aggregate quantity of compatible hazardous wastes in the area reaches 55 gallons. A list of hazardous wastes eligible for satellite accumulation is contained in **Table V**. When the aggregate quantity of a single wastestream in a given satellite area reaches 55 gallons or 90 days prior to the one year anniversary of the satellite accumulation start date, whichever occurs first, Lilly immediately enters the 90-day accumulation start date on the hazardous waste label and moves the container to the main hazardous waste accumulation area within three days.

Table V - Hazardous Waste Streams Eligible for Satellite Accumulation

Department	Number of Containers	Waste Stream
Container Filling	1 drum	Solid material potentially containing heavy metal-pigmented material with acetone and styrene (filters, wipes, cups, masking, rags, slops)
Compounding (Building 4)	1 drum	Solid material potentially containing heavy metal-pigmented material with acetone and styrene (filters, wipes, cups, masking, rags, slops)
Compounding (Building 7)	1 drum	Solid material potentially containing heavy metal-pigmented material with acetone and styrene (filters, wipes, cups, masking, rags, slops)
Tinting	1 drum	Solid material potentially containing heavy metal-pigmented material with acetone and styrene (filters, wipes, cups, masking, rags, slops)

Hazardous waste streams accumulated in satellite areas are taken to the main hazardous waste accumulation area immediately after becoming full or after reaching the maximum satellite

accumulation period and must be prepared for shipment off-site at least 14 days prior to the end of the 90-day accumulation time period.

Hazardous waste streams taken directly to the main hazardous waste accumulation area are subject to a 90-day accumulation limit, which begins when hazardous waste is first placed in the container in the department or area where generated. Hazardous waste streams moved from satellite areas are subject to the accumulation limits for satellite areas as previously defined; movement of the waste from the satellite areas does not extend the accumulation time period. The date when the first waste is placed in the drum and the date when the container is moved to the main accumulation area must both be noted on the label immediately when each event occurs.

Packaging

Before hazardous waste can be transported off-site, it is properly packaged pursuant to applicable DOT regulations. The Hazardous Waste Manager is responsible for ensuring that hazardous wastes are correctly prepared for transport to a TSDF.

Marking and Labeling

Federal and state laws require labeling of all containers of hazardous material and hazardous waste. Containers of hazardous materials (raw materials) are labeled according to DOT and California Highway Patrol regulations and Cal/OSHA hazard communication requirements.

Containers of hazardous waste must be marked according to DOT, USEPA, California Highway Patrol and the California Environmental Protection Agency (Cal/EPA) requirements. DOT and Cal/EPA both require a label indicating the characteristic of the material which causes it to be classified as a hazardous waste (e.g., flammable, corrosive, etc.). Additionally, a hazardous waste label is required by DOT and Cal/EPA.

Uniform Hazardous Waste Manifest

Before containers of hazardous waste are shipped off-site, the Hazardous Waste Manager prepares a Uniform Hazardous Waste Manifest ("Manifest"). The Manifest contains descriptions

of the hazardous waste and includes information about the generator, the transporter, and the designated TSDF.

Treatment of Uncatalyzed Gel Coat and Resin Systems

Lilly generates gel coat and other uncatalyzed resin systems during its production process. Additional off-specification or obsolete resins and gel coats may also be generated. Lilly has filed a Notice of Intent and applied to be conditionally exempt (H&S Code 25201.5(c)) under the California tiered permitting structure of AB1772 to treat these materials on-site by catalysis. Approximately 500 gallons of waste gel coat is treated per month. Treatment occurs in the area immediately south of the maintenance building.

Hazardous waste to be treated by catalyzation are to the 90-day hazardous waste treatment area either from satellite areas, directly from production for unusable batches of product, or from raw material or finished good storage areas during cleanups of off-specification materials. While in the treatment area the containers are labelled as hazardous waste.

Waste in the treatment area is either treated by catalysis within 90 days of being generated (or within 90 days of being moved from a satellite area) or is moved to the Main Hazardous Waste Accumulation Area and shipped off-site within 90-days of being generated (or within 90 days of being moved from a satellite area).

Waste generated from the treatment process, so long as it does not contain elevated levels of California regulated total or soluble metals and does not exhibit any characteristic of hazardous waste is broken up and disposed of into a solid waste dumpster or solid waste roll-off bin. If the treated material exhibits a characteristic of a hazardous waste, the treated material is handled as a hazardous waste.

Permits from Local, State and Federal Agencies

Table VI summarizes the permits for specific activities conducted at the site. Please note that the Storm Drain Discharge permit is underwritten by County Sanitation Districts of Los Angeles County because the storm drain system uses the same conveyances as the sewer system.

The AB1772 tiered permit conditionally authorizes Lilly to treat resins in accordance with the manufacturer's instructions and to use physical processes such as shredding, grinding, crushing or puncturing that change only the physical properties of containers having a volume of 110 gallons or less which are not constructed of wood, paper, cardboard, fabric, or any other similarly absorptive material as specified in Title 22 of the California Code of Regulations, §66261.7.

Table VI - Summary of Permits

Agency	Permit Description	Permit Number	Expiration Date
Los Angeles Flood Control District	Storm Drain Discharge	83489-A	None noted
Sanitation Districts of Los Angeles County	Stormwater Discharge to Sewer	C105621	None noted
California Water Quality Control Board	General Permit for Industrial Stormwater Discharge	WDID: 4B19S005440	None noted
California Environmental Protection Agency, Department of Toxic Substances Control	AB1772 On-Site Hazardous Waste Treatment Conditional Authorization for Specified Waste Streams	None noted	None noted
County of Los Angeles Fire Department	Outdoor Flammable Liquid Storage Permit	None noted	None noted
County of Los Angeles Fire Department	Permit to store, transport or handle more than 10 gallons of organic peroxide.	None noted	None noted

Table VI - Summary of Permits

Agency	Permit Description	Permit Number	Expiration Date
South Coast Air Quality Management District	Permits to Operate: Baghouse Blending tank Blending tank Baghouse Hydrocarbon storage tank Alcohol storage tank Resin blending Resin blending Resin blending Styrene storage tank Styrene storage tank Resin blending	D14066 D17397 D17398 D17399 D17401 D17402 D14067 D17403 D14068 D14069 D14071 Pending	All 1 March 1995

Releases of Hazardous Substances to the Environment

There have been no releases of hazardous substances to the soil, stormdrain or other waterways from the site since Lilly took control of the site in late 1989. As a result of manufacturing processes, volatile organic compounds are released to the atmosphere from equipment operating under permits to operate issued by the SCAQMD.

Regulatory Enforcement Actions

Lilly has not been held in violation of any law, regulation or permit condition since the acquisition of the site in 1989.

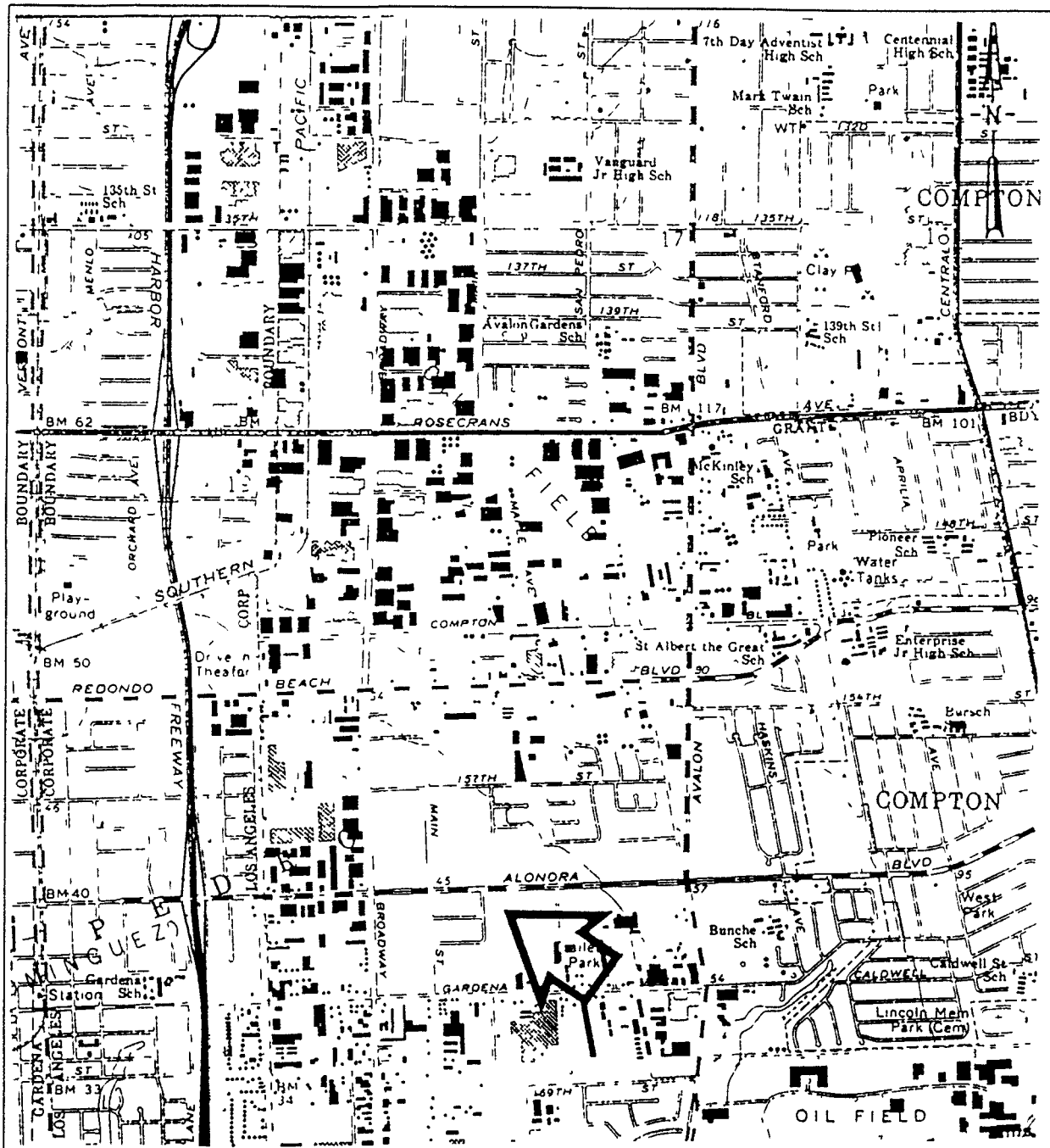
Raw Material Inventory

Raw Material	Average Daily Amount On-Site	Container Type	Storage Location
Resins	10,000 gallon	4 - 5,000 gallon AGT	South of Building 10
Lacolene	2,500 gallon	1 - 5,000 gallon AGT	North of Building 10
Isopropyl Alcohol	2,500 gallon	1 - 5,000 gallon AGT	North of Building 10
Styrene Monomer	3,000 gallon	2 - 3,000 gallon AGT	South of Building 5
Resin	6,000 gallon	4 - 3,000 gallon AGT	South of Building 5
Acetone	550 gallon	55-gallon drum	Drum Storage
Toluene	110 gallon	55-gallon drum	Drum Storage
Methylene Chloride	220 gallon	55-gallon drum	Drum Storage
Methyl ethyl ketone peroxide	100 gallon	1-gallon bottle	Organic Peroxide Bunker
Xylenes	110 gallon	55-gallon drum	Drum Storage
Methyl methacrylate	220 gallon	55-gallon drum	Drum Storage
Trichloroethane, 1,1,1-	220 gallon	55-gallon drum	Drum Storage
Methanol	55 gallon	55-gallon drum	Drum Storage
Dioctyl phthalate	150 gallon	55-gallon drum	Drum Storage
Vinyl acetate polymer	75 gallon	55-gallon drum	Drum Storage
VM&P Naphtha	220 gallon	55-gallon drum	Drum Storage
BYK P-104-5	25 gallon	55-gallon drum	Drum Storage
8% Copper Drier	55 gallon	55-gallon drum	Drum Storage
Cyclohexanone	110 gallon	55-gallon drum	Drum Storage
Dimethylphthalate	55 gallon	55-gallon drum	Drum Storage
Tricresylphosphate	55 gallon	55-gallon drum	Drum Storage
Diethylene glycol	25 gallon	55-gallon drum	Drum Storage
Methyl ethyl ketone	330 gallon	55-gallon drum	Drum Storage
Kerosene	440 gallon	55-gallon drum	Drum Storage

Raw Material Inventory

Raw Material	Average Daily Amount On-Site	Container Type	Storage Location
CFC-113	110 gallon	55-gallon drum	Drum Storage
Lead chromate pigment	500 pound	Fiber drum	Pigment Storage
Cadmium pigment	2,500 pound	Fiber drum	Pigment Storage
Titanium dioxide	25,000 pound	Bag	Pigment Storage
Talc	17,000 pound	Bag	Pigment Storage
Amorphous silica	5,000 pound	Bag	Pigment Storage
Aluminum oxide mixture	1,200 pound	Fiber Drum	Pigment Storage
Antimony/zinc compound	1,000 pound	Fiber drum	Pigment Storage
Red 104	750 pound	Fiber drum	Pigment Storage
Carbon black	500 pound	Fiber drum	Pigment Storage

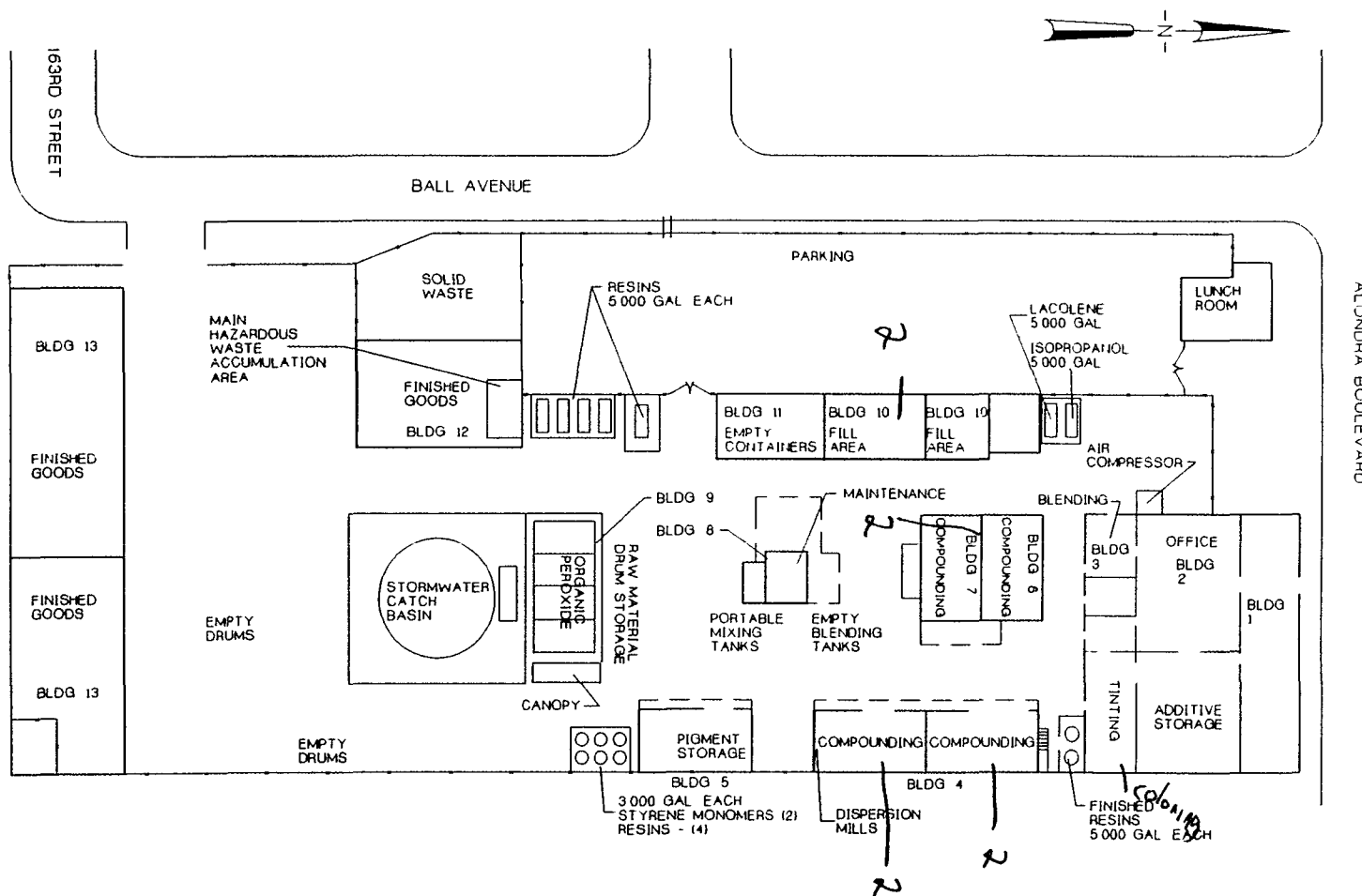
Maps

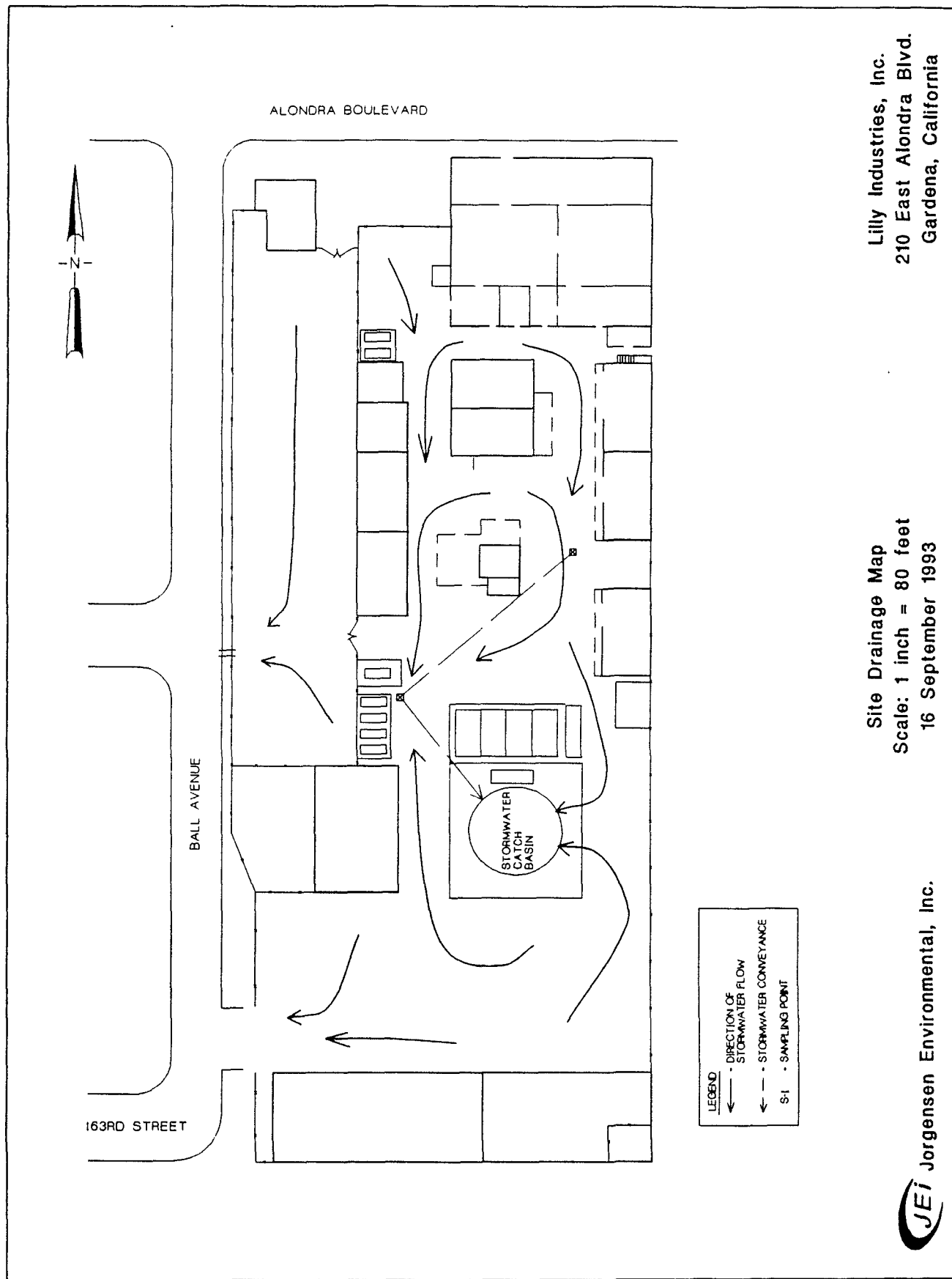


Area Map
Scale: 1 inch = 2000 feet

JEI Jorgensen Environmental, Inc.

Lilly Industries, Inc.
210 East Alondra Blvd.
Gardena, California

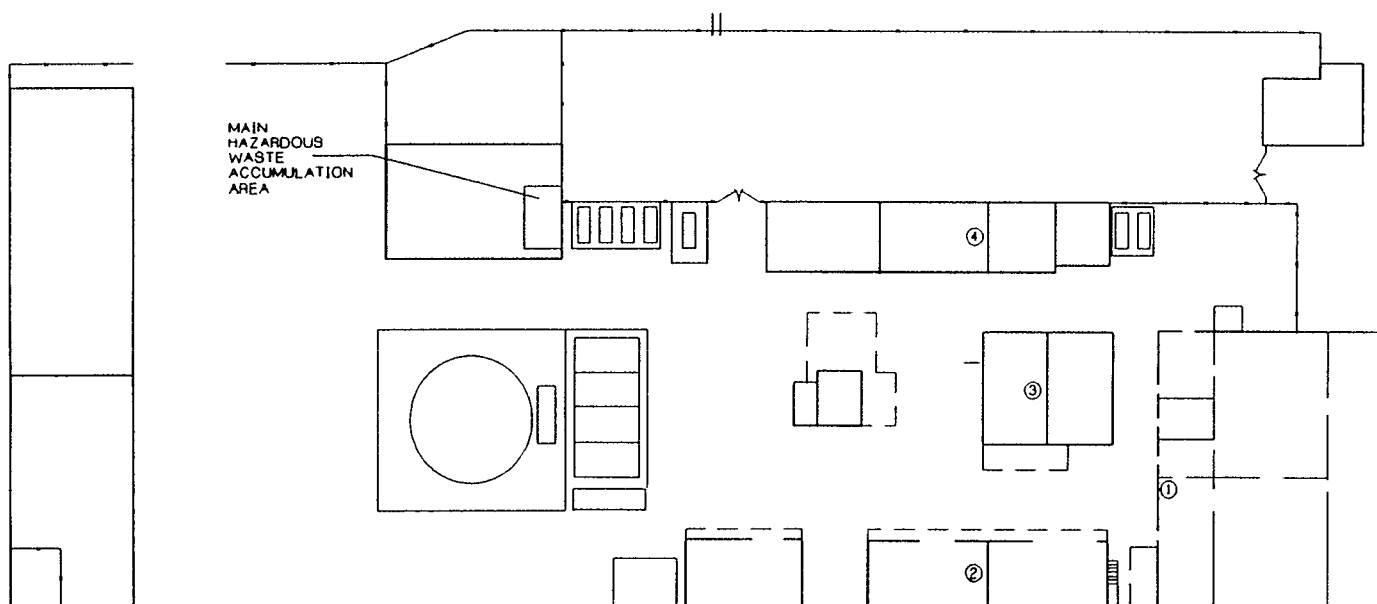
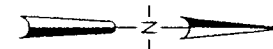




Lilly Industries, Inc.
210 East Alondra Blvd.
Gardena, California

Site Drainage Map
Scale: 1 inch = 80 feet
16 September 1993

JEI Jorgensen Environmental, Inc.



Satellite Accumulation Areas

1 Tint Room	Solid materials containing gel coat styrene and acetone	1 drum
2 Compounding	Solid materials containing gel coat styrene and acetone	1 drum
3 Compounding	Solid materials containing gel coat styrene and acetone	1 drum
4 Fill Area	Solid materials containing gel coat styrene and acetone	1 drum

**Main Hazardous Waste Accumulation and
Satellite Accumulation Areas**

Scale: 1 inch = 80 feet

16 September 1993

 Jorgensen Environmental, Inc.

Lilly Industries, Inc.
210 East Alondra Blvd.
Gardena, California

TRANS: INSP
PROC: HMD160

HMS INSPECTION DISPLAY/UPDATE

OPER: E109330
04 06/94 13:40:37

ACTION: S (A) SC (C) HANGE DELETE (B) FOWSE (A) SC # BROWSE
FILE #: 005664 105872 NAME: LILLY INDUSTRIES INC SEC? N STAT: PERM
STREET #: 210 FR: DR: E NAME: ALONDRA CF: BLVD UN.
CITY: GARDENA ZIP: 90248 AREA: 22 TEL: 213 321 0710
INSP #: I 000047866 INSP TYPE: I SCHI INSP DT: 010293 INSP DISP: COMP
ASSC #: P 000009769 ASSC # TYPE: I 01 ASSC # DT: 110983 ASSC # DISP: PERM

FOR INFO: _____ SAMP REQ? _____ SELF MONT? _____

INSP INFO: OUTSIDE WEST OF BUILDING ADJACENT TO ALONDRA BOULEVARD. _____

RESULTS: PH 7 SAMPLE BOX WAS CLEAN AND IN GOOD CONDITION. WATER HOLDING
POND WAS DRY AND EMPTY. _____

ASSIGN DT: 010293
START DT: _____

DUE DT: 112092
COMP DT: 111392

ASSIGN TO: 47913 AREA2_
COMP BY: 47913 WD _____

LAST TRAN/DATE/OPER: INSP 121592 E413002

MORE ENTRIES ON NEXT PAGE

TRANS: INSP
PROC: HMD160

HMS INSPECTION DISPLAY/UPDATE

OPER: E159530
04 06/94 13:40:48

ACTION: S (A) SC (C) HANGE DELETE (B) FOWSE (A) SC # BROWSE
FILE #: 005664 105872 NAME: LILLY INDUSTRIES INC SEC? N STAT: PERM
STREET #: 210 FR: DR: E NAME: ALONDRA CF: BLVD UN.
CITY: GARDENA ZIP: 90248 AREA: 22 TEL: 213 321 0710
INSP #: I 000047866 INSP TYPE: I SCHI INSP DT: 010293 INSP DISP: COMP
ASSC #: P 000009769 ASSC # TYPE: I 01 ASSC # DT: 110983 ASSC # DISP: PERM

FOR INFO: _____ SAMP REQ? _____ SELF MONT? _____

INSP INFO: _____

RESULTS: RAIN POND HAS SOME RAIN WATER INSIDE IT. SAMPLE BOX, PH=7 CLEAN AND
IN USE. NO SITE LILLY INDUSTRIES NO CHANGE OF OWNERSHIP. _____

ASSIGN DT: 010293
START DT: _____

DUE DT: 020193
COMP DT: 011193

ASSIGN TO: 47913 AREA2_
COMP BY: 47913 WD _____

LAST TRAN/DATE/OPER: INSP 012193 E413002

MORE ENTRIES ON NEXT PAGE

TRANS: INSP
PROG: HMC160

HMS INSPECTION DISPLAY/UPDATE

OPER: E159530
06/94 13:40:54

ACTION: B (A)DD (C)HANGE (D)ELETE (B)ROWSE A(S)CC # BROWSE
FILE # 005664 105872 NAME: LILLY INDUSTRIES INC SEC? N STAT: PERM
STREET #: 210 FR: DR: E NAME: ALONDR- SF: BLVD UN:
CITY: GARDENA ZIP: 90248 AREA: 22 TEL: 213 321 0710
INSP # I 000060298 INSP TYPE: I SCHI INSP DT: 041993 INSP DISP: COMP
ASSC # P 000009769 ASSC # TYPE: I 01 ASSC # DT: 110983 ASSC # DISP: PERM

INSP PROC: 375 _____ CAMP REQ? _ SELF MONT? _

INSP INFO: SAMPLE_BOX_LOCATED_OUTSIDE_NORTH_WEST_OF_BUILDING _____

RESULTS: OPERATING_PROPERLY, PH=7. _____

ASSIGN DT: 042993
START DT: _____

DUE DT: 052993
COMP DT: 051093

ASSIGN TO: 47913 AREA2_
COMP BY: 47913 WD _____

LAST TRAN/DATE/OPER: INSP 051393 E4130C2

MORE ENTRIES ON NEXT PAGE

TRANS: INSP
PROG: HMC160

HMS INSPECTION DISPLAY/UPDATE

OPER: E159530
04/06/94 13:41:01

ACTION: B (A)DD (C)HANGE (D)ELETE (B)ROWSE A(S)CC # BROWSE
FILE # 005664 105872 NAME: LILLY INDUSTRIES INC SEC? N STAT: PERM
STREET #: 210 FR: DR: E NAME: ALONDRA SF: BLVD UN:
CITY: GARDENA ZIP: 90248 AREA: 22 TEL: 213 321 0710
INSP # I 000063787 INSP TYPE: I SCHI INSP DT: 072993 INSP DISP: COMP
ASSC # P 000009769 ASSC # TYPE: I 01 ASSC # DT: 110983 ASSC # DISP: PERM

INSP PROC: 375 _____ CAMP REQ? _ SELF MONT? _

INSP INFO: SAMPLE_BOX_LOCATED_OUTSIDE_NORTH_WEST_OF_BUILDING. _____

RESULTS: PH=_7_OPERATING_PROPERLY _____

ASSIGN DT: 072993
START DT: _____

DUE DT: 082893
COMP DT: 080593

ASSIGN TO: 47913 AREA2_
COMP BY: 47913 WD _____

LAST TRAN/DATE/OPER: INSP 081093 C000266

MORE ENTRIES ON NEXT PAGE

TRANS: INSP
PROG: HMC150

HMS INSPECTION DISPLAY UPDATE

OPER: E139530
04/06/94 13:41:17

ACTION: S A)CD (C)HANGE (D)ELETE (B)ROWSE A(S)SC # BROWSE
FILE #: 005664 I05872 NAME: LILLY INDUSTRIES INC SEC? N STAT: PERM
STREET #: 210 FR: DR: E NAME: ALONDRA 3F. BLVD UN:
CITY: GARDENA ZIP: 90248 AREA: 22 TEL: 213 321 0710
INSP #: I 000077006 INSP TYPE: I SCHI INSP DT: 102993 INSP DISP: COMP
ASSC #: P 000009769 ASSC # TYPE: I 01 ASSC # DT: 110933 ASSC # DISP: PERM

INSP PROC: STD _____ SAMP REQ? _ SELF MONT? _

INSP INFO: SAMPLE_BOX_LOCATED_OUTSIDE_NORTH_WEST_OF_BUILDING. _____

RESULTS PH=7, THERE IS NO OIL OR SLUDGE INSIDE SAMPLE_BOX
HOLDING_POND_DRY NO WATER INSIDE. _____

ASSIGN DT: 112893 DUE DT: 112793 ASSIGN TO: 47913 AREA2_
START DT: _____ COMP DT: 110593 COMP BY: 47913 WD _____
LAST TRAN/DATE/OPER: INSP 111593 E413002

MORE ENTRIES IN NEXT PAGE

TRANS: INSP
PROG: HMC150

HMS INSPECTION DISPLAY UPDATE

OPER: E139530
04/06/94 13:41:22

ACTION: S A)CD (C)HANGE (D)ELETE (B)ROWSE A(S)SC # BROWSE
FILE #: 005664 I05872 NAME: LILLY INDUSTRIES INC SEC? N STAT: PERM
STREET #: 210 FR: DR: E NAME: ALONDRA 3F. BLVD UN:
CITY: GARDENA ZIP: 90248 AREA: 22 TEL: 213 321 0710
INSP #: I 000085538 INSP TYPE: I SCHI INSP DT: 013194 INSP DISP: COMP
ASSC #: P 000009769 ASSC # TYPE: I 01 ASSC # DT: 110983 ASSC # DISP: PERM

INSP PROC: STD _____ SAMP REQ? _ SELF MONT? _

INSP INFO: SAMPLE_BOX_LOCATED_OUTSIDE_NORTH_WEST_OF_BUILDING. _____

RESULTS PH=7.38 NO SLUDGE/OIL INSIDE, POOL IN REAR OF SITE DRY, RAINWATER LOG
UPDATED LAST TEST WAS 1-10-94 _____

ASSIGN DT: 013194
START DT: _____

DUE DT: 030294
COMP DT: 021494

ASSIGN TO: 47913 AREA2_
COMP BY: 47913 WD _____

LAST TRAN/DATE/OPER: INSP 030294 E276661

END OF ENTRIES

CONTACT REPORT

AGENCY/AFFILIATION: South Coast Air Quality Management District		CODE:
DEPARTMENT:		
ADDRESS: 21865 East Copley Dr.		CITY: Diamond Bar
COUNTY: Los Angeles	STATE: CA	ZIP: 91765-4182
CONTACT(S) Melisio Hernandez	TITLE	PHONE (909) 396-2152
BEI PERSON MAKING CONTACT: Maynard Geisler <i>MG</i> <i>JG</i>		DATE: 4/25/94
SUBJECT: Compliance Status of Lilly Industries, Inc.		
SITE NAME: RAM Chem		EPA ID: CAD 071911051

DISCUSSION:

The Ram Chem site located at 210 East Alondra Blvd. is currently occupied by Lilly Industries, Inc. Lilly Industries, Inc. has several permits issued by the South Coast Air Quality Management District (SCAQMD). The last inspection by the SCAQMD of Lilly Industries, Inc. was in September 1993. At that time, Lilly Industries, Inc. was issued a Notice to Comply for: 1) failure to submit a plan for cleaning the mixing tanks, and 2) failure to post SCAQMD permits. To date these items have ~~not~~ been rectified by Lilly Industries, Inc. There are no other outstanding issues concerning Lilly Industries, Inc.'s compliance with SCAQMD regulations.

CONTACT CONCURRENCE:

*Melisio Hernandez*DATE: *5-9-94*



COUNTY OF LOS ANGELES
DEPARTMENT OF PUBLIC WORKS

550 S. VERMONT AVENUE
LOS ANGELES, CALIFORNIA 90020
Telephone: (213) 738-2911

REFERENCE 8

THOMAS A. TIDEMANSON, Director
HIAM BARMACK, Chief Deputy Director
JAMES L. EASTON, Chief Deputy Director
WYNN L. SMITH, Chief Deputy Director

ADDRESS ALL CORRESPONDENCE TO:
550 S. VERMONT AVENUE
LOS ANGELES, CALIFORNIA 90020

IN REPLY PLEASE
REFER TO FILE I-5872-22.

July 2, 1985

Ram Chemicals Division
210 East Alondra Blvd.
Gardena, CA 90248

Attn: Dr. C. Zdunkiewicz

Gentleman:

HAZARDOUS MATERIALS UNDERGROUND STORAGE
CLOSURE PERMIT NO. 264B, 265B
FACILITY AT: 210 EAST ALONDRA BOULEVARD

This office has reviewed the soil sample/groundwater laboratory report submitted on May 20, June 24, 1985 required as part of the subject closure procedure.

We find that based on the information submitted, no further subsurface investigation is necessary. The the storage tanks listed within the subject permit are considered closed upon disposal of excavated soil as indicated below:

[X] The use of soils removed (if any) during tank excavation is unrestricted and/or may be disposed of at an unclassified disposal facility.

[] Soils are not suitable as fill material and must be manifested and transported to a hazardous waste disposal facility permitted by the State Department of Health Services (DOHS) unless evidence is presented indicating DOHS has determined that the material may be disposed of at a less restricted facility. Copies of completed manifests shall be submitted to this office indicating legal disposal.

If you have any questions concerning these requirements please contact Mr. Richard Walls at (213) 738-2463.

Very truly yours,

T.A. TIDEMANSON
Director of Public Works

For Richard Walls

M. Michael Mohajer
Supervising Civil Engineer III
Engineering Services Division

APPLICATION FOR CLOSURE
HAZARDOUS MATERIALS UNDERGROUND STORAGE
COUNTY OF LOS ANGELES
DEPARTMENT OF COUNTY ENGINEER-FACILITIES SANITATION DIVISION
550 SOUTH VERMONT LOS ANGELES, CALIFORNIA 90020

00264 B

REFERENCE 9

OWNER: Whittaker Corporation
NAME
ADDRESS 210 East Alondra Blvd. CITY Gardena STATE CA ZIP 90248

FACILITY: Ram Chemicals Division
NAME
SITE ADDRESS Same CITY Same ZIP Same
MAILING ADDRESS Same CITY Same STATE Same ZIP Same
CONTACT PERSON Dr. C. Zdzukiewicz TITLE Plant Engineer PHONE (213) 321-0710

CLOSURE REQUESTED:

- ☐ TEMPORARY (REFER TO CONDITIONS A AND B ON BACK OF THIS FORM)
EFFECTIVE DATE OF CLOSURE _____
DATE OPERATION WILL RESUME _____ SOLD TO: _____
☒ PERMANENT, TANK(S) REMOVAL DISPOSAL DESTINATION Carson, California
(REFER TO CONDITIONS A AND C ON BACK OF THIS FORM)
☐ PERMANENT, TANK(S) IN PLACE
(REFER TO CONDITIONS A AND D ON BACK OF THIS FORM)

TANK(S) DESCRIPTION: (ATTACH ADDITIONAL LIST IF NECESSARY.)

TANK NO.	MATERIAL	AGE (YEARS)	CAPACITY (GAL)	MATERIALS STORED (PAST AND PRESENT)
3T1	Steel	~20	5000	Acetone
1T21	Steel	~20	5000	Heptane
6T3	Steel	~20	5000	Isopropyl Alcohol

HAS ANY UNAUTHORIZED DISCHARGE EVER OCCURRED AT THIS SITE? ☐ YES ☒ NO
HAVE STRUCTURAL REPAIRS EVER BEEN MADE ON THESE TANKS? ☐ YES ☒ NO
WILL NEW UNDERGROUND TANKS BE INSTALLED FOLLOWING CLOSURE? ☐ YES ☒ NO
WILL ANY WELLS, INCLUDING MONITORING WELLS, BE ABANDONED? ☐ YES ☒ NO

IF THE RESPONSE TO ANY OF THE ABOVE QUESTIONS IS YES, ATTACH EXPLANATION.

BY SIGNATURE BELOW THE APPLICANT CERTIFIES THAT HE/SHE HAS READ AND UNDERSTANDS THE CONDITIONS ON THE REVERSE SIDE OF THIS FORM AND THAT THE STATEMENTS AND DISCLOSURES ABOVE ARE TRUE AND CORRECT.

APPLICANT'S SIGNATURE [Signature] DATE Jan. 8, 1985
OWNER ☐ OPERATOR ☐ CONTRACTOR Petro Builders, Inc.
STATE LICENSE NO. 241905

TO BE COMPLETED BY THE COUNTY ENGINEER

BY SIGNATURE BELOW APPLICANT IS GRANTED APPROVAL TO PROCEED WITH THE CLOSURE.

FEE COLLECTED \$ 114.00
PERMIT NO _____
FILE NO 5872 R/C 22

TO ARRANGE FOR AN INSPECTION, TELEPHONE _____

DATE 1/28/85
(213) 738-2517

APPLICATION FOR CLOSURE
HAZARDOUS MATERIALS UNDERGROUND STORAGE
COUNTY OF LOS ANGELES
DEPARTMENT OF COUNTY ENGINEER-FACILITIES SANITATION DIVISION
550 SOUTH VERMONT LOS ANGELES, CALIFORNIA 90020

0005 B

REFERENCE 10

OWNER:

NAME Whittaker Corporation
ADDRESS 210 East Alondra Blvd. CITY Gardena STATE CA ZIP 90248

FACILITY:

NAME Ram Chemicals Division
SITE ADDRESS Same CITY Same ZIP Same
MAILING ADDRESS Same CITY Same STATE Same ZIP Same
CONTACT PERSON Dr. C. Zdunkiewicz TITLE Plant Engineer PHONE (213) 321-0710

CLOSURE REQUESTED:

- ☐ TEMPORARY (REFER TO CONDITIONS A AND B ON BACK OF THIS FORM)
EFFECTIVE DATE OF CLOSURE _____
DATE OPERATION WILL RESUME _____ SOLD TO: _____
- ☐ PERMANENT, TANK(S) REMOVAL DISPOSAL DESTINATION Carson, California
(REFER TO CONDITIONS A AND C ON BACK OF THIS FORM)
- ☐ PERMANENT, TANK(S) IN PLACE
(REFER TO CONDITIONS A AND D ON BACK OF THIS FORM)

TANK(S) DESCRIPTION: (ATTACH ADDITIONAL LIST IF NECESSARY.)

TANK NO.	MATERIAL	AGE (YEARS)	CAPACITY (GAL)	MATERIALS STORED (PAST AND PRESENT)
1T1	Steel	~ 20	5000	Toluene, Heptane
3T2	Steel	~ 20	5000	Mek, Isopropyl Alcohol

Soil samples required.

HAS ANY UNAUTHORIZED DISCHARGE EVER OCCURRED AT THIS SITE? ☐ YES ☒ NO
HAVE STRUCTURAL REPAIRS EVER BEEN MADE ON THESE TANKS? ☐ YES ☒ NO
WILL NEW UNDERGROUND TANKS BE INSTALLED FOLLOWING CLOSURE? ☐ YES ☒ NO
WILL ANY WELLS, INCLUDING MONITORING WELLS, BE ABANDONED? ☐ YES ☒ NO

IF THE RESPONSE TO ANY OF THE ABOVE QUESTIONS IS YES, ATTACH EXPLANATION.

BY SIGNATURE BELOW THE APPLICANT CERTIFIES THAT HE/SHE HAS READ AND UNDERSTANDS THE CONDITIONS ON THE REVERSE SIDE OF THIS FORM AND THAT THE STATEMENTS AND DISCLOSURES ABOVE ARE TRUE AND CORRECT.

APPLICANT'S SIGNATURE [Signature] DATE Jan. 8, 1985
OWNER ☒ OPERATOR ☒ CONTRACTOR Petro Builders, Inc.
STATE LICENSE NO. 241905

TO BE COMPLETED BY THE COUNTY ENGINEER

BY SIGNATURE BELOW APPLICANT IS GRANTED APPROVAL TO PROCEED WITH THE CLOSURE.

FEE COLLECTED \$ 76.00
PERMIT NO 00285
FILE NO 5872 R/C22

Nicholas A. Abraham DATE 1/28/85
TO ARRANGE FOR AN INSPECTION, TELEPHONE (213) 738-2517

160 TAYLOR STREET, P.O. BOX 2380, MONROVIA, CALIFORNIA 91016

(818) 357 3217

Client The Earth Technology Corporation		Work Order 6611-01	P. O. No. Verb - L. T.
Material/Sample Identity 10 Soils - Composite to 2 Samples (Project #84-605)		Rec'd 3-8-85	3-
Requested By Name: Ms. Lynn Thompson		Phone: (213) 595-6611	Sample Description Retain
Report/Ship To: Ms. Lynn Thompson The Earth Technology Corporation 3777 Long Beach Blvd. Long Beach, CA 90807			

Nature of Work and Information Desired

10 Soils Composited to 2 Samples for GC Analysis for Specified Solvents

Summary of Laboratory Report

Q. C. Level

2

Ten soils were composited to two soil samples and analyzed according to the EPA method 8840 for volatile organics in soils. This purge-and-trap method was utilized with the final analysis by gas chromatography per the request of the client. No detectable volatile organics were found in either soil composite above the detection limit of 0.08 ppm. The list below indicates the identifications of those soils used for the two composite samples.

Sample Composite #1

84-605-B₁
84-605-B₂
84-605-B₃
84-605-B₄
84-605-B₅

Sample Composite #2

84-605-B₂-6
84-605-B₂-7
84-605-B₂-8
84-605-B₂-9
84-605-B₂-10

As a mutual protection to clients, this report is submitted for the exclusive use of the client to whom it is addressed. This report applies only to the sample(s) tested and is not necessarily indicative of the qualities of apparently similar or identical products. Use of this report, whether in whole or in part, or of any seals or insignia connected therewith, in any advertising or publicity matter, without prior written authorization is prohibited.

Analyst MKR	Book - Page 345 - 63	Approved By <i>McDermott</i>	Date 2 April 1985
Research and Development		Testing	

~~905 00009~~

905 00025

CONTACT REPORT

AGENCY/AFFILIATION: Los Angeles Department of Public Works			REFERENCE 12
DEPARTMENT: Waste Management Division			
ADDRESS: P.O. Box 1460		CITY: Alhambra	
COUNTY: Los Angeles		STATE: CA	ZIP: 91802-1460
CONTACT(S)	TITLE	PHONE	
Frank Kuo	Supervising Regional Planner	(818) 458-6989	
BEI PERSON MAKING CONTACT: Sally Bobb <i>SB</i>			DATE: 5/3/93
SUBJECT: Torrance stormdrain system			
SITE NAME: Allied Signal		EPA ID: CAD 071896336	
<p>DISCUSSION:</p> <p>Surface water runoff from the site located at 2525 190th Street in Torrance <i>IN THE GENERAL AREA AROUND</i> enters a private storm <i>EVENTUALLY ENTER</i> drain system and flows east into a city system before entering the county storm drain system. Water in the county system continues <i>AND</i> flowing east/southeast before discharging into the concrete- lined Dominguez Channel. Water in the channel eventually discharges into the San Pedro Bay.</p> <p>The Dominguez Channel is not used as a source of drinking water downstream from the storm drain outfall.</p>			

CONTACT CONCURRENCE: *7 FLuo* DATE: *5/11/93*

LOS ANGELES COU. I
FLOOD CONTROL DISTRICT
Water Conservation Division
WELL DATA

Owner: Sparkletts Drinking Water Corp.
#201 E. Alondra Blvd., Gardena

Location and Description: Gardena
511.3' No. & of Alondra Blvd.; 851.3' E. & of Main St.,
7.4' No. and 36.4' W. of owners #2 Well, 821PP-
chained by DWR

Use: None - capped 4/11/63

Elev. of average grd. at well: 48.1 49.0±' - D.W.R. U. S. G. S. Datum

Elev. of grd. adjacent to well: _____ U. S. G. S. Datum

Water surface reference points:

(a) From 3-27-62 To _____ Elev. 49.6 How det. Topo.
Description: Top of casing 0.6' above grd.

(b) From 11-1-63 To _____ Elev. 46.0 How det. Topo.
Description: Top of 1/2" meas. hole next to discharge
2.98' below paved surface and grd.

(c) From _____ To _____ Elev. _____ How det. _____
Description: _____

(d) From _____ To _____ Elev. _____ How det. _____
Description: _____

Type of well: _____ Size _____

Original depth: _____ Soundings: _____

Pumping equipment: _____

Power used: _____

Capacity: _____ Drawdown: _____

Date drilled: _____ By: _____

Artesian characteristics: _____

Quality of water: _____

Remarks: Above data obtained from DWR 4/11/63

(over)

Well Numbers
Gardena #1

Owner
Gardena #1

D.W.R.
35/13M-29D6

D.W.R.
F.C. 821 NN

LOG OF WELL NO. 821 NN

FROM	TO	CLASSIFICATION OF MATERIALS	FROM	TO	CLASSIFICATION OF MATERIALS
0	10	Yellow clay			
10	24	Yellow sand and gravel			
24	46	Yellow sand and clay			
46	53	Yellow sand			
53	84	Yellow clay			
84	107	Blue clay			
107	134	Blue sandy clay			
134	145	Blue clay			
145	154	Blue pea gravel, sand			
154	214	Blue sand, gravel, tight			
214	258	Blue sandy clay			
258	304	Blue sand			
304	332	Blue clay			
332	342	Blue sand			
342	353	Blue sandy clay			
353	371	Blue sand gravel			
371	405	Blue clay with gravel			
405	426	Blue sandy clay			
		Bottom of 12"			
		10 3/4" O.D. 1/4" wall with cut off at 350 ft.			
		coupling adapter, (used)			
		Balance of Well 10"			
426	477	Blue sandy clay			
477	509	Blue sand and small gravel			
509	526	Blue clay			
526	528	Blue sand and small gravel			
528	548	Blue sand, gravel			
548	578	Blue sand, tight			
578	610	Blue sand some small gravel			
610	623	Blue sand small gravel			
623	632	Blue sand, coarse			
632	658	Blue sand, small gravel			
658	678	Blue sandy clay			
678	683	Blue sand, coarse tight			
683	688	Blue small gravel, sand			
688	718	Blue sand some coarse			
718	727	Blue clay and sand			

Perforations: 357'-371' ; 632' - 657'

Siverado Zone - DWR

Struck water at

Water level before perf. after perf.

Remarks Well log and other data in
Confidential files

(over)



McKesson Water
Products

Alhambra
Aqua-Vend
Crystal
Sparkletts

April 13, 1994

Mr. Maynard Geisler
P.O. Box 193965
Mail Stop 50/18/A7
San Francisco, CA 94119-3965

Dear Mr. Geisler:

Enclosed are copies of the three most recent laboratory analyses for our water supply well at 221 East Alondra in Gardena. The bottling operation at Gardena was discontinued in July 1992; and therefore, use of the supply well has been minimal in the last two years. However, we may decide to use this supply well for other operations on the site at a later time.

Please let me know if you have any questions or need additional information. You may contact me at (818) 585-1289.

Sincerely,

Christine Connelly
Environmental Quality Manager

/rp

Copy: Harry Hari



AUG 5, 1991

NSF International

Send To

MCKESSON WATER DIVISION
SPARKLETTS DRINKING WATER CORP.
4500 YORK BLVD.
LOS ANGELES, CA 90041-
Attn: SARAH COWMAN

Plant

MCKESSON WATER DIVISION
SPARKLETTS DRINKING WATER CORPORATION
221 E ALONDRA
GARDENA, CA 90248
Attn: SARAH COWMAN

BOTTLED WATER CERTIFICATION PROGRAM

Description: McKesson Source Well

Lab Number: S10703219

Sampled: JUL 2, 1991

Received: JUL 3, 1991

Brand Name: McKesson Source
Sampled from: Spigot

Parameter	Result	Units	FDA Req.
FDA Quality Standards			
Alkalinity as CaCO ₃	180	mg/L	
Arsenic	<0.001	mg/L	0.050
Barium	<0.02	mg/L	1.0
Cadmium	<0.0001	mg/L	0.010
Calcium	35	mg/L	
Chloride	24	mg/L	250
Chromium	<0.001	mg/L	0.050
Color	<5	Color Unit	15.
Copper	<0.005	mg/L	1.0
Fluoride	<0.014	mg/L	1.4-2.4
Surfactants (MBAS)	<0.2	mg/L	0.50
Iron	0.06	mg/L	0.30
Lead	<0.001	mg/L	0.020
Magnesium	7.6	mg/L	
Manganese	0.022	mg/L	0.050
Mercury	<0.0002	mg/L	0.0020
Nitrogen, Nitrate	<0.5	mg/L	10.
Odor, Threshold	1	TON	3.
pH	7.8		6.50-8.50
Phenolics	<0.001	mg/L	0.001
Potassium by Flame	3.3	mg/L	
Selenium	<0.001	mg/L	0.010
Silver	<0.0001	mg/L	0.050
Sodium	42	mg/L	
Sulfur, Sulfate	<0.5	mg/L	250

AUG 5, 1991

Report for Job BW070391

Page 1

S10703219 Continued

Parameter	Result	Units	FDA Req.
Solids Total Dissolved	230	mg/L	500
Specific Conductance	370	umhos	
Turbidity	0.09	NTU	5.0
Zinc by Flame	0.05	mg/L	5.0
Volatiles: 8 VOC's (and additional compounds)			
Vinyl Chloride	<0.50	ug/L	2.0
Methylene Chloride	<0.50	ug/L	
1,1-Dichloroethylene	<0.50	ug/L	7.0
Chloroform	<0.50	ug/L	100
1,1,1-Trichloroethane	<0.50	ug/L	200
Carbon Tetrachloride	<0.50	ug/L	5.0
1,2-Dichloroethane	<0.50	ug/L	5.0
1,1,2-Trichloroethylene (TCE)	<0.50	ug/L	5.0
Bromodichloromethane	<0.50	ug/L	100
Tetrachloroethylene (PCE)	<0.50	ug/L	
Chlorodibromomethane	<0.50	ug/L	100
Bromoform	<0.50	ug/L	100
Benzene	<0.50	ug/L	5.0
Chlorobenzene	<0.50	ug/L	
1,4-Dichlorobenzene	<0.50	ug/L	75.
Total Trihalomethanes	ND	ug/L	100
Pesticides, Drinking Water ASTM			
Endrin	<0.02	ug/L	0.20
Lindane	<0.01	ug/L	4.0
Methoxychlor	<0.10	ug/L	100
Toxaphene	<0.05	ug/L	5.0
Herbicides, Drinking Water ASTM			
2,4-D	<0.1	ug/L	100
2,4,5-TP	<0.05	ug/L	10.

Radiological

Gross Alpha / Gross Beta Counts
Testing Laboratory

FGL Environmental, State of California ELAP Approved

Gross Alpha 0+/-1 pCi/Liter
Gross Beta 3+/-1 pCi/Liter

Volatile Organic Chemicals

Volatiles: Unregulated VOC's

Dichlorodifluoromethane	<0.50	ug/L	
Chloromethane	<0.50	ug/L	
Bromomethane	<0.50	ug/L	
Chloroethane	<0.50	ug/L	
Trichlorofluoromethane	<0.50	ug/L	
Trichlorotrifluoroethane	<0.50	ug/L	
Methylene Chloride	<0.50	ug/L	
trans-1,2-Dichloroethylene	<0.50	ug/L	
1,1-Dichloroethane	<0.50	ug/L	
2,2-Dichloropropane	<0.50	ug/L	
cis-1,2-Dichloroethylene	<0.50	ug/L	
Chloroform	<0.50	ug/L	100
Bromochloromethane	<0.50	ug/L	
1,1-Dichloropropene	<0.50	ug/L	
1,2-Dichloropropane	<0.50	ug/L	
Bromodichloromethane	<0.50	ug/L	100
Dibromomethane	<0.50	ug/L	
2-Chloroethylvinyl Ether	<0.50	ug/L	

ND indicates Not Detected

S10703219 Continued

Parameter	Result	Units	FDA Reg.
cis-1,3-Dichloropropene	<0.50	ug/L	
trans-1,3-Dichloropropene	<0.50	ug/L	
1,1,2-Trichloroethane	<0.50	ug/L	
1,3-Dichloropropane	<0.50	ug/L	
Tetrachloroethylene	<0.50	ug/L	
Chlorodibromomethane	<0.50	ug/L	100
1,2-Dibromoethane (EDB)	<0.50	ug/L	
Chlorobenzene	<0.50	ug/L	
1,1,1,2-Tetrachloroethane	<0.50	ug/L	
Bromoform	<0.50	ug/L	100
1,1,2,2-Tetrachloroethane	<0.50	ug/L	
1,2,3-Trichloropropane	<0.50	ug/L	
1,2-Dibromo-3-Chloropropane	<0.50	ug/L	
1,3-Dichlorobenzene	<0.50	ug/L	
1,4-Dichlorobenzene	<0.50	ug/L	75.
1,2-Dichlorobenzene	<0.50	ug/L	
Methyl-tert-Butyl Ether	<0.50	ug/L	
Methyl Isobutyl Ketone	<5.0	ug/L	
Methyl Ethyl Ketone	<5.0	ug/L	
Toluene	<0.50	ug/L	
Ethyl Benzene	<0.50	ug/L	
m-Xylene	<1.0	ug/L	
p-Xylene	<1.0	ug/L	
o-Xylene	<1.0	ug/L	
Styrene	<1.0	ug/L	
Isopropylbenzene (Cumene)	<0.50	ug/L	
n-Propylbenzene	<0.50	ug/L	
Bromobenzene	<0.50	ug/L	
2-Chlorotoluene	<0.50	ug/L	
4-Chlorotoluene	<0.50	ug/L	
1,3,5-Trimethylbenzene	<0.50	ug/L	
tert-Butylbenzene	<0.50	ug/L	
1,2,4-Trimethylbenzene	<0.50	ug/L	
sec-Butylbenzene	<0.50	ug/L	
p-Isopropyltoluene (Cymene)	<0.50	ug/L	
1,2,3-Trimethylbenzene	<0.50	ug/L	
n-Butylbenzene	<0.50	ug/L	
1,2,4-Trichlorobenzene	<0.50	ug/L	
Hexachlorobutadiene	<0.50	ug/L	
1,2,3-Trichlorobenzene	<0.50	ug/L	
Naphthalene	<0.50	ug/L	
Benzene	<0.50	ug/L	5.0
Total Trihalomethanes	ND	ug/L	100

Additional Analytical Testing

Cyanide, Total	<0.004	mg/L
Corrosivity	-0.24	
Nitrogen, Nitrite	<0.05	mg/L
Pesticides, Method 507		
Alachlor	<3	ug/L
Ametryn	<1	ug/L
Atraton	<3	ug/L
Atrazine	<1	ug/L
Bromacil	<2	ug/L
Butachlor	<3	ug/L
Butylate	<2	ug/L
Carboxin	<3	ug/L

Parameter	Result	Units	FDA Req.
Chlorpropham	<2	ug/L	
Cycloate	<1	ug/L	
Diazinon	<3	ug/L	
Dichlorvos	<4	ug/L	
Diphenamid	<2	ug/L	
Disulfoton	<1	ug/L	
EPTC	<2	ug/L	
Ethoprop	<1	ug/L	
Fenamiphos	<1	ug/L	
Fenarimol	<5	ug/L	
Fluridone	<8	ug/L	
Hexazinone	<3	ug/L	
Merphos	<1	ug/L	
Metolachlor	<3	ug/L	
Metribuzin	<3	ug/L	
Mevinphos	<1	ug/L	
MGK 264	<5	ug/L	
Molinate	<4	ug/L	
Napropamide	<4	ug/L	
Norflurazon	<4	ug/L	
Pebulate	<2	ug/L	
Prometon	<1	ug/L	
Prometryn	<1	ug/L	
Pronamide	<3	ug/L	
Propazine	<1	ug/L	
Simazine	<1	ug/L	
Simetryn	<4	ug/L	
Stirofos	<3	ug/L	
Tebuthiuron	<2	ug/L	
Terbacil	<4	ug/L	
Terbufos	<3	ug/L	
Terbutryn	<1	ug/L	
Triademefon	<2	ug/L	
Tricyclazole	<3	ug/L	
Vernolate	<2	ug/L	

Certifications: Michigan #0048
 Florida #87285
 California #972
 New York #11206

Pennsylvania #68 - 312
 Connecticut #PH-0625
 Arizona Approved

Status: On Compliance Reviewer: M. Miller Date: 8/5/91



OCT 8, 1990

National Sanitation Foundation

3475 Plymouth Road
P.O. Box 1468
Ann Arbor, Michigan 48106 U.S.A.
Telephone: 313-769-8010
Telex: 753215 NATSANFND UD
FAX: 313-769-0109

Send To

Plant

MCKESSON WATER DIVISION
SPARKLETTS DRINKING WATER CORP.
4500 YORK BLVD.
LOS ANGELES, CA 90041-
Attn: SARAH COWMAN

MCKESSON WATER DIVISION
SPARKLETTS DRINKING WATER CORP.
221 EAST ALONDRA
GARDENA, CA 90248
Attn: SARAH COWMAN

BOTTLED WATER CERTIFICATION PROGRAM

Region: 01

Description: McKesson Source-Well

Lab Number: S00830631

Sampled: AUG 29, 1990

Received: AUG 30, 1990

Brand Name: McKesson Source-Well

Sample Location: Spigot

Sample Type: Source-Well

Parameter	Result	Units	FDA Req.
FDA Quality Standards			
Alkalinity as CaCO ₃	190	mg/L	
Arsenic	<0.003	mg/L	0.050
Barium	<0.020	mg/L	1.0
Cadmium	0.0002	mg/L	0.010
Calcium	38	mg/L	
Chloride	37	mg/L	250
Chromium	<0.002	mg/L	0.050
Color	5	Color Unit	15.
Copper	<0.003	mg/L	1.0
Fluoride	0.2	mg/L	1.4-2.4
Surfactants (MBAS)	<0.2	mg/L	0.50
Iron	0.33	mg/L	0.30 *
Lead	0.006	mg/L	0.020
Magnesium	10	mg/L	
Manganese	0.04	mg/L	0.050
Mercury	<0.0002	mg/L	0.0020
Nitrogen, Nitrate	<0.5	mg/L	10.
Odor, Threshold	<1	TON	3.
pH	8.08		6.50-8.50
Phenolics	<0.001	mg/L	0.001
Potassium by Flame	3.6	mg/L	
Selenium	<0.001	mg/L	0.010
Silver	<0.008	mg/L	0.050

* Indicates Out of Compliance

OCT 8, 1990

Report for Job BW083090

Page 1

Parameter	Result	Units	FDA Req.
Sodium	50	mg/L	
Sulfur, Sulfate	<0.5	mg/L	250
Solids Total Dissolved	270	mg/L	500
Specific Conductance	486	umhos	
Turbidity	0.3	NTU	5.0
Zinc by Flame	0.67	mg/L	5.0
Volatiles: 8 VOC's (and additional compounds)			
Vinyl Chloride	<0.50	ug/L	2.0
Methylene Chloride	<0.50	ug/L	
1,1-Dichloroethylene	<0.50	ug/L	7.0
Chloroform	<0.50	ug/L	100
1,1,1-Trichloroethane	<0.50	ug/L	200
Carbon Tetrachloride	<0.50	ug/L	5.0
1,2-Dichloroethane	<0.50	ug/L	5.0
1,1,2-Trichloroethylene (TCE)	<0.50	ug/L	5.0
Bromodichloromethane	<0.50	ug/L	100
Tetrachloroethylene (PCE)	<0.50	ug/L	
Chlorodibromomethane	<0.50	ug/L	100
Bromoform	<0.50	ug/L	100
Benzene	<0.50	ug/L	5.0
Chlorobenzene	<0.50	ug/L	
1,4-Dichlorobenzene	<0.50	ug/L	75.
Total Trihalomethanes	ND	ug/L	100
Pesticides, Drinking Water ASTM			
Endrin	<0.02	ug/L	0.20
Lindane	<0.01	ug/L	4.0
Methoxychlor	<0.10	ug/L	100
Toxaphene	<0.05	ug/L	5.0
Herbicides, Drinking Water ASTM			
2,4-D	<0.10	ug/L	100
2,4,5-TP	<0.05	ug/L	10.

Radiological

Gross Alpha / Gross Beta Counts

Testing Laboratory

FGL Environmental, State of California ELAP Approved

Gross Alpha 0.6 +/- 1 pCi/L

Gross Beta 7 +/- 3 pCi/L

Volatile Organic Chemicals

Volatiles: 51 Unregulated VOC's

Dichlorodifluoromethane	<0.50	ug/L	
Chloromethane	<0.50	ug/L	
Bromomethane	<0.50	ug/L	
Chloroethane	<0.50	ug/L	
Trichlorofluoromethane	<0.50	ug/L	
Trichlorotrifluoroethane	<0.50	ug/L	
Methylene Chloride	<0.50	ug/L	
trans-1,2-Dichloroethylene	<0.50	ug/L	
1,1-Dichloroethane	<0.50	ug/L	
2,2-Dichloropropane	<0.50	ug/L	
cis-1,2-Dichloroethylene	<0.50	ug/L	
Chloroform	<0.50	ug/L	100
Bromochloromethane	<0.50	ug/L	
1,1-Dichloropropene	<0.50	ug/L	
1,2-Dichloropropane	<0.50	ug/L	
Bromodichloromethane	<0.50	ug/L	100

ND indicates Not Detected

S00830631 Continued

Parameter	Result	Units	FDA Req.
Dibromomethane	<0.50	ug/L	
2-Chloroethylvinyl Ether	<0.50	ug/L	
cis-1,3-Dichloropropene	<0.50	ug/L	
trans-1,3-Dichloropropene	<0.50	ug/L	
1,1,2-Trichloroethane	<0.50	ug/L	
1,3-Dichloropropane	<0.50	ug/L	
Tetrachloroethylene	<0.50	ug/L	
Chlorodibromomethane	<0.50	ug/L	100
1,2-Dibromoethane (EDB)	<0.50	ug/L	
Chlorobenzene	<0.50	ug/L	
1,1,1,2-Tetrachloroethane	<0.50	ug/L	
Bromoform	<0.50	ug/L	100
1,1,2,2-Tetrachloroethane	<0.50	ug/L	
1,2,3-Trichloropropane	<0.50	ug/L	
1,2-Dibromo-3-Chloropropane	<0.50	ug/L	
1,3-Dichlorobenzene	<0.50	ug/L	
1,2-Dichlorobenzene	<0.50	ug/L	
Methyl-tert-Butyl Ether	<0.50	ug/L	
Methyl Isobutyl Ketone	<5.0	ug/L	
Methyl Ethyl Ketone	<5.0	ug/L	
Toluene	<0.50	ug/L	
Ethyl Benzene	<0.50	ug/L	
m-Xylene	<1.0	ug/L	
p-Xylene	<1.0	ug/L	
o-Xylene	<1.0	ug/L	
Styrene	<1.0	ug/L	
Isopropylbenzene (Cumene)	<0.50	ug/L	
n-Propylbenzene	<0.50	ug/L	
Bromobenzene	<0.50	ug/L	
2-Chlorotoluene	<0.50	ug/L	
4-Chlorotoluene	<0.50	ug/L	
1,3,5-Trimethylbenzene	<0.50	ug/L	
tert-Butylbenzene	<0.50	ug/L	
1,2,4-Trimethylbenzene	<0.50	ug/L	
sec-Butylbenzene	<0.50	ug/L	
p-Isopropyltoluene (Cymene)	<0.50	ug/L	
1,2,3-Trimethylbenzene	<0.50	ug/L	
n-Butylbenzene	<0.50	ug/L	
1,2,4-Trichlorobenzene	<0.50	ug/L	
Hexachlorobutadiene	<0.50	ug/L	
1,2,3-Trichlorobenzene	<0.50	ug/L	
Naphthalene	<0.50	ug/L	
Benzene	<0.50	ug/L	5.0
Total Trihalomethanes	ND	ug/L	100

Additional Analytical Testing

Cyanide, Total	0.004	mg/L
Corrosivity	0.10	
Nitrogen, Nitrite	<0.05	mg/L

Certifications: Michigan #0048
Florida #87285
California #972

Pennsylvania #68 - 312
Connecticut #PH-0625
Arizona Approved

Status: In Compliance Reviewer: M. Miller Date: 10/8/90

OCT 8, 1990

Report for Job BW083090

Page 4



AUG 6, 1990

National Sanitation Foundation

3475 Plymouth Road
P.O. Box 1468
Ann Arbor, Michigan 48106 U.S.A.
Telephone: 313-769-8010
Telex: 53215 NATSANFND UD
FAX: 313-769-0109

Send To

MCKESSON WATER DIVISION
SPARKLETTS DRINKING WATER CORP.
4500 YORK BLVD.
LOS ANGELES, CA 90041-
Attn: SARAH COWMAN

Plant

MCKESSON WATER DIVISION
SPARKLETTS DRINKING WATER CORP.
221 EAST ALONDRA
GARDENA, CA 90248
Attn: SARAH COWMAN

BOTTLED WATER CERTIFICATION PROGRAM

Region: 01

Description: McKesson Source Well #1

Lab Number: S00509059

Sampled: MAY 8, 1990

Received: MAY 9, 1990

Brand Name: McKesson Source-Well #1

Sample Location: Spigot

Sample Type: Source-Well

Parameter	Result	Units	FDA Req.
FDA Quality Standards			
Alkalinity as CaCO ₃	173	mg/L	
Arsenic	<0.003	mg/L	0.050
Barium	0.017	mg/L	1.0
Cadmium	<0.0002	mg/L	0.010
Calcium	39	mg/L	
Chloride	68	mg/L	250
Chromium	<0.001	mg/L	0.050
Color	<5	Color Unit	15.
Copper	<0.002	mg/L	1.0
Fluoride	0.2	mg/L	1.4-2.4
Surfactants (MBAS)	<0.2	mg/L	0.50
Iron	0.050	mg/L	0.30
Lead	<0.002	mg/L	0.020
Magnesium	11	mg/L	
Manganese	0.009	mg/L	0.050
Mercury	<0.0002	mg/L	0.0020
Nitrogen, Nitrate	<0.05	mg/L	10.
Odor, Threshold	3	TON	3.
pH	8.2		6.50-8.50
Phenolics	<0.001	mg/L	0.001
Potassium by Flame	3.4	mg/L	
Selenium	<0.003	mg/L	0.010
Silver	0.018	mg/L	0.050

S00509059 Continued

Parameter	Result	Units	FDA Req.
Sodium	45	mg/L	
Sulfur, Sulfate	<0.5	mg/L	250
Solids Total Dissolved	270	mg/L	500
Specific Conductance	380	umhos	
Turbidity	<0.1	NTU	5.0
Zinc by Flame	<0.009	mg/L	5.0
Volatiles: 8 VOC's (and additional compounds)			
Vinyl Chloride	<0.50	ug/L	2.0
Methylene Chloride	<0.50	ug/L	
1,1-Dichloroethylene	<0.50	ug/L	7.0
Chloroform	<0.50	ug/L	100
1,1,1-Trichloroethane	<0.50	ug/L	200
Carbon Tetrachloride	<0.50	ug/L	5.0
1,2-Dichloroethane	<0.50	ug/L	5.0
1,1,2-Trichloroethylene (TCE)	<0.50	ug/L	5.0
Bromodichloromethane	<0.50	ug/L	100
Tetrachloroethylene (PCE)	<0.50	ug/L	
Chlorodibromomethane	<0.50	ug/L	100
Bromoform	<0.50	ug/L	100
Benzene	<0.50	ug/L	5.0
Chlorobenzene	<0.50	ug/L	
1,4-Dichlorobenzene	<0.50	ug/L	75.
Total Trihalomethanes	ND	ug/L	100
Pesticides, Drinking Water ASTM			
Endrin	<0.05	ug/L	0.20
Lindane	<0.05	ug/L	4.0
Methoxychlor	<0.10	ug/L	100
Toxaphene	<1.0	ug/L	5.0
Herbicides, Drinking Water ASTM			
2,4-D	<0.10	ug/L	100
2,4,5-TP	<0.05	ug/L	10.

Radiological

Gross Alpha / Gross Beta Counts

Testing Laboratory

FGL Environmental, State of California ELAP Approved

Gross Alpha 0.5 +/- 2 pCi/L

Gross Beta 4 +/- 2 pCi/L

Volatile Organic Chemicals

Volatiles: 51 Unregulated VOC's

Dichlorodifluoromethane	<0.50	ug/L	
Chloromethane	<0.50	ug/L	
Bromomethane	<0.50	ug/L	
Chloroethane	<0.50	ug/L	
Trichlorofluoromethane	<0.50	ug/L	
Trichlorotrifluoroethane	<0.50	ug/L	
Methylene Chloride	<0.50	ug/L	
trans-1,2-Dichloroethylene	<0.50	ug/L	
1,1-Dichloroethane	<0.50	ug/L	
2,2-Dichloropropane	<0.50	ug/L	
cis-1,2-Dichloroethylene	<0.50	ug/L	
Chloroform	<0.50	ug/L	100
Bromochloromethane	<0.50	ug/L	
1,1-Dichloropropene	<0.50	ug/L	
1,2-Dichloropropane	<0.50	ug/L	
Bromodichloromethane	<0.50	ug/L	100

ND indicates Not Detected

S00509059 Continued

Parameter	Result	Units	FDA Req.
Dibromomethane	<0.50	ug/L	
cis-1,3-Dichloropropene	<0.50	ug/L	
trans-1,3-Dichloropropene	<0.50	ug/L	
1,1,2-Trichloroethane	<0.50	ug/L	
1,3-Dichloropropane	<0.50	ug/L	
Tetrachloroethylene	<0.50	ug/L	
Chlorodibromomethane	<0.50	ug/L	100
1,2-Dibromoethane (EDB)	<0.50	ug/L	
Chlorobenzene	<0.50	ug/L	
1,1,1,2-Tetrachloroethane	<0.50	ug/L	
Bromoform	<0.50	ug/L	100
1,1,2,2-Tetrachloroethane	<0.50	ug/L	
1,2,3-Trichloropropane	<0.50	ug/L	
1,2-Dibromo-3-Chloropropane	<0.50	ug/L	
2-Chloroethylvinyl Ether	<0.50	ug/L	
1,3-Dichlorobenzene	<0.50	ug/L	
1,2-Dichlorobenzene	<0.50	ug/L	
Methyl-tert-Butyl Ether	<0.50	ug/L	
Methyl Isobutyl Ketone	<5.0	ug/L	
Methyl Ethyl Ketone	<5.0	ug/L	
Toluene	<0.50	ug/L	
Ethyl Benzene	<0.50	ug/L	
m-Xylene	<1.0	ug/L	
p-Xylene	<1.0	ug/L	
o-Xylene	<1.0	ug/L	
Styrene	<1.0	ug/L	
Isopropylbenzene (Cumene)	<0.50	ug/L	
n-Propylbenzene	<0.50	ug/L	
Bromobenzene	<0.50	ug/L	
2-Chlorotoluene	<0.50	ug/L	
4-Chlorotoluene	<0.50	ug/L	
1,3,5-Trimethylbenzene	<0.50	ug/L	
tert-Butylbenzene	<0.50	ug/L	
1,2,4-Trimethylbenzene	<0.50	ug/L	
sec-Butylbenzene	<0.50	ug/L	
p-Isopropyltoluene (Cymene)	<0.50	ug/L	
1,2,3-Trimethylbenzene	<0.50	ug/L	
n-Butylbenzene	<0.50	ug/L	
1,2,4-Trichlorobenzene	<0.50	ug/L	
Hexachlorobutadiene	<0.50	ug/L	
1,2,3-Trichlorobenzene	<0.50	ug/L	
Naphthalene	<0.50	ug/L	
Benzene	<0.50	ug/L	5.0
Total Trihalomethanes	ND	ug/L	100

Additional Analytical Testing

Cyanide, Total	<0.001	mg/L
Corrosivity	0.19	
Nitrogen, Nitrite	<0.05	mg/L

Certifications: Michigan #0048
Florida #87285
California #972

Pennsylvania #68 - 312
Connecticut #PH-0625
Arizona Approved

Status: On Compliance Reviewer: M. Miller Date: 8/6/90

AUG 6, 1990

Report for Job BW050990

Page 4

To Chris Connelly from Mike Miller

1 pg

All work performed at NSF International, Ann Arbor, Michigan, USA

References to Testing Procedures:

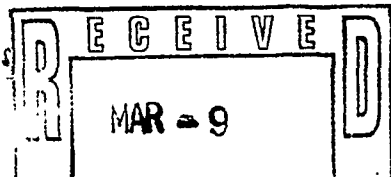
Parameter/Test Description

EPA Method

NSF Reference

Alkalinity as CaCO3	310.1	- I56001310
Aluminum	202.2	- I3AL021
Arsenic	206.2	- I3AS021
Barium	208.2	- I3BA031
Cadmium	213.2	- I3CD021
Calcium	200.7	- I3CA031
Chloride	300.0	- I26002300
Chlorine, Total Residual	330.1	- I56003330
Chromium	218.2	- I3CR021
Color	110.2	- I52001110
Copper	200.7	- I3CU031
Corrosivity	200.7	- KI2015203
Cyanide, Total	335.3	- I26004333
Fluoride	340.2	- I56005340
Herbicides	515.1	- O36004813
Iron	200.7	- I3FE031
Lead	200.7	- I3PB021
Magnesium	243.2	- I3MG031
Manganese	245.1	- I3MN031
Mercury	300.0	- I3HG050
Nitrogen, Nitrate	300.0	- I26007300
Nitrogen, Nitrite, 300 in Water	140.1	- I26011300
Odor, Threshold	531.1	- E72004140
Pesticides (unregulated)	505	- O440465311
Pesticides and PCBs	150.1	- O34045505
pH	420.2	- I32005150
Phenolics	200.7	- I28012420
Potassium	370.2	- I3KO031
Selenium	372.2	- I3SE021
Silver	200.7	- I3AG021
Sodium	760.7	- I3NA031
Solids Total Dissolved	120.1	- I420071601
Specific Conductance	300.0	- I52002120
Sulfur, Sulfate	425.1	- I26017300
Surfactants (MBAS)	120	- I48014425
Turbidity	502.2	- I42011180
Volatiles: 9 VOC's (and additional compounds)	504	- O32083502
Volatiles: EDB and DECP	503.2	- O38065504
Volatiles: Unregulated VOC's	200.7	- O32077502
Zinc	200.7	- I3ZN031

Chris - I'll send an updated sheet like this which will also include H/(GFAN) Antimony, Beryllium, Nickel, Thallium, and the compounds we use EPA methods 525, 547, 548, 549 and 550.



CLINICAL LABORATORY OF SAN BERNARDINO, INC.
P.O. BOX 329
SAN BERNARDINO, CA 92402
ORGANIC CHEMICAL ANALYSIS (8/93)

WEST BASIN

WATER RESOURCES

Date of Report: 03/07/94

Sample ID No. 94-2207

Laboratory

Signature Lab

Name: CLINICAL LABORATORIES OF SAN BERNARDINO Director:

Name of Sampler: GREG NICHOLAS

Employed By: CLINICAL LAB

Date/Time Sample

Date/Time Sample

Date Analyses

Collected: 94/02/22/1110

Received @ Lab: 94/02/22/1700

Completed: 94/03/04

System

System

Name: SOUTH CALIFORNIA WC - SOUTHWEST

Number: 1910155

Name or Number of Sample Source: DALTON WELL 01

* User ID: 4TH

Station Number: 03S/14W-25P04 S

* Date/Time of Sample: |94|02|22|1110|

Laboratory Code 3761

* YY MM DD TTTT

Date Analysis Completed: |94|03|04|

*

YY MM DD

* Submitted by:

Phone #:

PAGE 1 OF 2

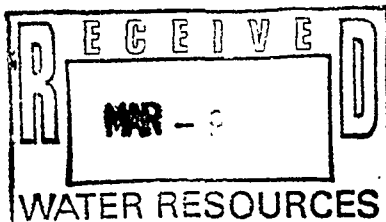
REGULATED ORGANIC CHEMICALS

Neg Def No. 502.2

TEST METHOD	CONSTITUENT ALL CONSTITUENTS REPORTED ug/L	ENTRY #	ANALYSES RESULTS	MCL ug/L	DLR ug/L
502.2	Bromodichloromethane	32101	ND		0.5
502.2	Bromoform	32104	ND		0.5
502.2	Chloroform (Trichloromethane)	32106	ND		0.5
502.2	Dibromochloromethane	32105	ND		0.5
502.2	Total Trihalomethanes (THM'S/ TTHM)	82080	ND	100	0.5
502.2	Benzene	34030	ND	1	0.5
502.2	Carbon Tetrachloride	32102	ND	.5	0.5
502.2	Ethyl Benzene	34371	ND	**6.30	5.0
502.2	1,4-Dichlorobenzene (p-DCB)	34571	ND	5	0.5
502.2	1,1-Dichloroethane (1,1-DCA)	34496	ND	5	0.5
502.2	1,2-Dichloroethane (1,2-DCA)	34531	ND	.5	0.5
502.2	1,1-Dichloroethylene (1,1-DCE)	34501	ND	** 6	0.5
502.2	cis-1,2-Dichloroethylene (c-1,2-DCE)	77093	ND	6	0.5
502.2	trans-1,2-Dichloroethylene (t-1,2-DCE)	34546	ND	10	0.5
502.2	1,2-Dichloropropane	34541	ND	5	0.5
502.2	Total 1,3-Dichloropropene	34561	ND	.5	0.5
502.2	Monochlorobenzene (Chlorobenzene)	34301	ND	** 30	1.0
502.2	1,1,2,2-Tetrachloroethane	34516	ND	1	0.5
502.2	Tetrachloroethylene (PCE)	34475	ND	5	0.5
502.2	1,1,1-Trichloroethane (1,1,1-TCA)	34506	ND	200	1.0
502.2	1,1,2-Trichloroethane (1,1,2-TCA)	34511	ND	32	1.0
502.2	Trichloroethylene (TCE)	39180	ND	5	0.5
502.2	Trichlorofluoromethane (FREON 11)	34488	ND	150	5.0
502.2	Trichlorotrifluoroethane (FREON 113)	81611	ND	1200	10.0
502.2	Vinyl Chloride (VC)	39175	ND	.5	0.5
502.2	m,p-Xylene	A-014	ND		0.5
502.2	o-Xylene	77135	ND		0.5
502.2	Total Xylenes (m,p, & o)	81551	ND	1750	10.0

TEST METHOD	CONSTITUENT ALL CONSTITUENTS REPORTED ug/L	ENTRY #	ANALYSES RESULTS	MCL ug/L	DLR ug/L
502.2	Bromobenzene	81555	ND		0.5
502.2	Bromochloromethane	A-012	ND		0.5
502.2	Bromomethane (Methyl Bromide)	34413	ND		0.5
502.2	n-Butylbenzene	A-010	ND		0.5
502.2	sec-Butylbenzene	77350	ND		0.5
502.2	tert-Butylbenzene	77353	ND		0.5
502.2	Chloroethane	34311	ND		0.5
502.2	2-Chloroethylvinyl Ether	34576	ND		1.0
502.2	Chloromethane (Methyl Chloride)	34418	ND		0.5
502.2	2-Chlorotoluene	A-008	ND		0.5
502.2	4-Chlorotoluene	A-009	ND		0.5
502.2	Dibromomethane	77596	ND		0.5
502.2	1,2-Dichlorobenzene (o-DCB)	34536	ND	**	0.5
502.2	1,3-Dichlorobenzene (m-DCB)	34566	ND		0.5
502.2	Dichlorodifluoromethane	34668	ND		1.0
502.2	Dichloromethane (Methylene Chloride)	34423	ND	**	3.0
502.2	1,3-Dichloropropane	77173	ND		0.5
502.2	2,2-Dichloropropane	77170	ND		0.5
502.2	1,1-Dichloropropene	77168	ND		0.5
502.2	Hexachlorobutadiene	34391	ND		0.5
502.2	Isopropylbenzene (Cumene)	77223	ND		0.5
502.2	p-Isopropyltoluene	A-011	ND		0.5
502.2	Naphthalene	34696	ND		0.5
502.2	n-Propylbenzene	77224	ND		0.5
502.2	Styrene	77128	ND	**	0.5
502.2	1,1,1,2-Tetrachloroethane	77562	ND		0.5
502.2	Toluene	34010	ND	**	10.0
502.2	1,2,3-Trichlorobenzene	77613	ND		0.5
502.2	1,2,4-Trichlorobenzene	34551	ND	**	0.5
502.2	1,2,3-Trichloropropane	77443	ND		0.5
502.2	1,2,4-Trimethylbenzene	77222	ND		0.5
502.2	1,3,5-Trimethylbenzene	77226	ND		0.5

** New or revised MCL pending



CLINICAL LABORATORY OF SAN BERNARDINO, INC.
P.O. BOX 329
SAN BERNARDINO, CA 92402
ORGANIC CHEMICAL ANALYSIS (8/93)

COPY
WEST BASIN

EDT

Date of Report: 03/07/94 Sample ID No. 94-2209
Laboratory Signature Lab
Name: CLINICAL LABORATORIES OF SAN BERNARDINO Director:
Name of Sampler: GREG NICHOLAS Employed By: CLINICAL LAB
Date/Time Sample Date/Time Sample Date Analyses
Collected: 94/02/22/1100 Received @ Lab: 94/02/22/1700 Completed: 94/03/07

System System
Name: SOUTH CALIFORNIA WC - SOUTHWEST Number: 1910155
Name or Number of Sample Source: SOUTH WELL 03

* User ID: 4TH Station Number: 03S/14W-13J03 S *
* Date/Time of Sample: |94|02|22|1100| Laboratory Code: 3761 *
* Y Y M M D D T T T T *
* Date Analysis Completed: |94|03|07| *
* Y Y M M D D *
* Submitted by: Phone #: *

PAGE 1 OF 2

REGULATED ORGANIC CHEMICALS

Neg Def No. 502.2

TEST METHOD	CONSTITUENT ALL CONSTITUENTS REPORTED ug/L	ENTRY #	ANALYSES RESULTS	MCI ug/L	DLR ug/L
502.2	Bromodichloromethane	32101	ND		0.5
502.2	Bromoform	32104	ND		0.5
502.2	Chloroform (Trichloromethane)	32106	ND		0.5
502.2	Dibromochloromethane	32105	ND		0.5
502.2	Total Trihalomethanes (THM'S/ TTHM)	82080	ND	100	0.5
502.2	Benzene	34030	ND	1	0.5
502.2	Carbon Tetrachloride	32102	ND	.5	0.5
502.2	Ethyl Benzene	34371	ND	**680	5.0
502.2	1,4-Dichlorobenzene (p-DCB)	34571	ND	5	0.5
502.2	1,1-Dichloroethane (1,1-DCA)	34496	ND	5	0.5
502.2	1,2-Dichloroethane (1,2-DCA)	34531	ND	.5	0.5
502.2	1,1-Dichloroethylene (1,1-DCE)	34501	ND	** 6	0.5
502.2	cis-1,2-Dichloroethylene (c-1,2-DCE)	77093	ND	6	0.5
502.2	trans-1,2-Dichloroethylene (t-1,2-DCE)	34546	ND	10	0.5
502.2	1,2-Dichloropropane	34541	ND	5	0.5
502.2	Total 1,3-Dichloropropane	34561	ND	.5	0.5
502.2	Monochlorobenzene (Chlorobenzene)	34301	ND	** 30	1.0
502.2	1,1,2,2-Tetrachloroethane	34516	ND	1	0.5
502.2	Tetrachloroethylene (PCE)	34475	ND	5	0.5
502.2	1,1,1-Trichloroethane (1,1,1-TCA)	34506	ND	200	1.0
502.2	1,1,2-Trichloroethane (1,1,2-TCA)	34511	ND	32	1.0
502.2	Trichloroethylene (TCE)	39180	ND	5	0.5
502.2	Trichlorofluoromethane (FREON 11)	34488	ND	150	5.0
502.2	Trichlorotrifluoroethane (FREON 113)	81611	ND	1200	10.0
502.2	Vinyl Chloride (VC)	39175	ND	.5	0.5
502.2	m,p-Xylene	A-014	ND		0.5
502.2	o-Xylene	77135	ND		0.5
502.2	Total Xylenes (m,p, & o)	81551	ND	175.0	10.0

TEST METHOD	CONSTITUENT ALL CONSTITUENTS REPORTED ug/L	ENTRY #	ANALYSES RESULTS	MCL ug/L	DLR ug/L
502.2	Bromobenzene	81555	ND		0.5
502.2	Bromochloromethane	A-012	ND		0.5
502.2	Bromomethane (Methyl Bromide)	34413	ND		0.5
502.2	n-Butylbenzene	A-010	ND		0.5
502.2	sec-Butylbenzene	77350	ND		0.5
502.2	tert-Butylbenzene	77353	ND		0.5
502.2	Chloroethane	34311	ND		0.5
502.2	2-Chloroethylvinyl Ether	34576	ND		1.0
502.2	Chloromethane (Methyl Chloride)	34418	ND		0.5
502.2	2-Chlorotoluene	A-008	ND		0.5
502.2	4-Chlorotoluene	A-009	ND		0.5
502.2	Dibromomethane	77596	ND		0.5
502.2	1,2-Dichlorobenzene (o-DCB)	34536	ND	**	0.5
502.2	1,3-Dichlorobenzene (m-DCB)	34566	ND		0.5
502.2	Dichlorodifluoromethane	34668	ND		1.0
502.2	Dichloromethane (Methylene Chloride)	34423	ND	**	3.0
502.2	1,3-Dichloropropane	77173	ND		0.5
502.2	2,2-Dichloropropane	77170	ND		0.5
502.2	1,1-Dichloropropene	77168	ND		0.5
502.2	Hexachlorobutadiene	34391	ND		0.5
502.2	Isopropylbenzene (Cumene)	77223	ND		0.5
502.2	p-Isopropyltoluene	A-011	ND		0.5
502.2	Naphthalene	34696	ND		0.5
502.2	n-Propylbenzene	77224	ND		0.5
502.2	Styrene	77128	ND	**	0.5
502.2	1,1,1,2-Tetrachloroethane	77562	ND		0.5
502.2	Toluene	34010	ND	**	10.0
502.2	1,2,3-Trichlorobenzene	77613	ND		0.5
502.2	1,2,4-Trichlorobenzene	34551	ND	**	0.5
502.2	1,2,3-Trichloropropane	77443	ND		0.5
502.2	1,2,4-Trimethylbenzene	77222	ND		0.5
502.2	1,3,5-Trimethylbenzene	77226	ND		0.5

** New or revised MCL pending

NE COPY
ID No. 92040302
For Paul Cliffe

Sample ID No. 926463028

Signature Lab

Director: *[Signature]* For Paul Clifford

Employed By: Montgomery Labs

Date Analyses

12	13	14	15	16	17	18	19	20	21	22	23	24	25	26	27	28	29	30	31	32	33	34	35	36	37	38	39	40	41	42	43	44	45	46	47	48	49	50	51	52	53	54	55	56	57	58	59	60	61	62	63	64	65	66	67	68	69	70	71	72	73	74	75	76	77	78	79	80	81	82	83	84	85	86	87	88	89	90	91	92	93	94	95	96	97	98	99	100	101	102	103	104	105	106	107	108	109	110	111	112	113	114	115	116	117	118	119	120	121	122	123	124	125	126	127	128	129	130	131	132	133	134	135	136	137	138	139	140	141	142	143	144	145	146	147	148	149	150	151	152	153	154	155	156	157	158	159	160	161	162	163	164	165	166	167	168	169	170	171	172	173	174	175	176	177	178	179	180	181	182	183	184	185	186	187	188	189	190	191	192	193	194	195	196	197	198	199	200	201	202	203	204	205	206	207	208	209	210	211	212	213	214	215	216	217	218	219	220	221	222	223	224	225	226	227	228	229	230	231	232	233	234	235	236	237	238	239	240	241	242	243	244	245	246	247	248	249	250	251	252	253	254	255	256	257	258	259	260	261	262	263	264	265	266	267	268	269	270	271	272	273	274	275	276	277	278	279	280	281	282	283	284	285	286	287	288	289	290	291	292	293	294	295	296	297	298	299	300	301	302	303	304	305	306	307	308	309	310	311	312	313	314	315	316	317	318	319	320	321	322	323	324	325	326	327	328	329	330	331	332	333	334	335	336	337	338	339	340	341	342	343	344	345	346	347	348	349	350	351	352	353	354	355	356	357	358	359	360	361	362	363	364	365	366	367	368	369	370	371	372	373	374	375	376	377	378	379	380	381	382	383	384	385	386	387	388	389	390	391	392	393	394	395	396	397	398	399	400	401	402	403	404	405	406	407	408	409	410	411	412	413	414	415	416	417	418	419	420	421	422	423	424	425	426	427	428	429	430	431	432	433	434	435	436	437	438	439	440	441	442	443	444	445	446	447	448	449	450	451	452	453	454	455	456	457	458	459	460	461	462	463	464	465	466	467	468	469	470	471	472	473	474	475	476	477	478	479	480	481	482	483	484	485	486	487	488	489	490	491	492	493	494	495	496	497	498	499	500	501	502	503	504	505	506	507	508	509	510	511	512	513	514	515	516	517	518	519	520	521	522	523	524	525	526	527	528	529	530	531	532	533
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System

Number: 1910155

Station Number: | 0 | 3 | S | / | 1 | 4 | W | - | 1 | 3 | J | 0 | 4 | |

Y Y M M D D T T T T

Date Analyses Completed : 9 2 0 5 1 0

Phone #:

1. **NAME** _____
 2. **DATE** _____
 3. **GRADE** _____

.....

1

JUN 10 1992

WATER RESOURCES

Test Method	CONSTITUENTS ALL CONSTITUENTS REPORTED ug/L	ENTRY #	ANALYSIS RESULTS	MCL ug/L	*DLR ug/L
524.2	Trichlorofluoromethane (Freon 11)	34488	N D	150	1.00
524.2	Trichlorotrifluoroethane (Freon 113)	81611	N D	1200	10
524.2	Vinyl chloride (VC)	39175	N D	.5	0.5
524.2	p-Xylene	A-014	N D		10
524.2	o-Xylene	77135	N D		10
524.2	Total Xylenes (m,p & o)	81551	N D	1750	10
504	Dibromochloropropane (DBCP)	38761		.2	0.01
504	Ethylene Dibromide (EDB)	77651		.02	0.02
508	Endrin	39390	N D	.20	0.10
508	Lindane (gamma-BHC)	39340	N D	4	0.2
508	Methoxychlor	39480	N D	100	10
508	Toxaphene	39400	N D	5	1.0
508	Chlordane	39350	N D	.1	0.1
525	Diethylhexylphthalate (DEHP)	39100		4	3.0
508	Heptachlor	39410	N D	.01	0.01
508	Heptachlor epoxide	39420	N D	.01	0.01
507	Atrazine	39033	N D	3	1.0
507	Molinate (Ordram)	82199	N D	20	2.0
507	Simazine (Princep)	39055	N D	10	1.0
507	Thiobencarb (Bolero)	A-001	N D	70	1.0
515.1	Bentazon (Basagran)	38710		18	2.0
515.1	2,4-D	39730	N A	100	10
515.1	2,4,5-TP (Silvex)	39045	N A	10	1.0
531.1	Carbofuran (Furadan)	81405		18	5.0
547	Glyphosate	79743		700	25

UNREGULATED ORGANIC CHEMICALS

Test Method	CONSTITUENTS ALL CONSTITUENTS REPORTED ug/L	ENTRY #	ANALYSES RESULTS	*DLR ug/L
524.2	Bromobenzene	81555	N D	0.5
524.2	Bromochloromethane	A-012	N D	0.5
524.2	Bromomethane (Methyl Bromide)	34413	N D	0.5
524.2	n-Butylbenzene	A-010	N D	0.5
524.2	sec-Butylbenzene	77350	N D	0.5
524.2	tert-Butylbenzene	77353	N D	0.5
524.2	Chloroethane	34311	N D	0.5
524.2	2-Chloroethylvinyl ether	34576	N A	1.0
524.2	Chloromethane (Methyl Chloride)	34418	N D	0.5
524.2	2-Chlorotoluene	A-008	N D	0.5
524.2	4-Chlorotoluene	A-009	N D	0.5
524.2	Dibromomethane	77596	N D	0.5
524.2	1,2-Dichlorobenzene (o-DCB)	34536	N D	0.5
524.2	1,3-Dichlorobenzene (m-DCB)	34566	N D	0.5
524.2	Dichlorodifluoromethane	34668	N D	1.0
524.2	1,3-Dichloropropane	77173	N D	0.5
524.2	2,2-Dichloropropane	77170	N D	0.5
524.2	1,1-Dichloropropene	77168	N D	0.5
524.2	Hexachlorobutadiene	34391	N D	0.5
524.2	Isopropylbenzene (Cumene)	77223	N D	0.5
524.2	p-Isopropyltoluene	A-011	N D	0.5
524.2	Methylene chloride	34423	N D	1.0

Test Method	CONSTITUENTS ALL CONSTITUENTS REPORTED	ENTRY #	ANALYSES RESULTS	*CLR ug/L
524.2	Naphthalene	34696	N D	0.50
524.2	n-Propylbenzene	77224	N D	0.50
524.2	Styrene	77128	N D	0.5
524.2	1,1,1,2-Tetrachloroethane	77562	N D	0.5
524.2	Toluene	34010	N D	10
524.2	1,2,3-Trichlorobenzene	77613	N D	0.5
524.2	1,2,4-Trichlorobenzene	34551	N D	0.5
524.2	1,2,3-Trichloropropane	77443	N D	0.5
524.2	1,2,4-Trimethylbenzene	77222	N D	0.5
524.2	1,3,5-Trimethylebenzene	77226	N D	0.5
524.2	Methyl ethyl ketone (MEK, Butanone)	81595	N D	5.0
524.2	Methyl isobutyl ketone (MIBK)	81596	N D	5.0
524.2	bis (2-Chloroethyl) Ether	34273	N A	5.0

508	Alachlor (Alanex)	77825	N D	1.0
507	Bromacil (Hyvar)	82198	N D	10.
507	Diazinon	39570		0.02
507	Prometryn (Caparol)	39057	N D	2.0
508	Chlorothalonil (Daconil, Bravo)	70314	N D	5.0
507	Dimethoate (Cygon)	38458	N D	10.0
531	Aldicarb (Temik)	39053		3.0
632	Diuron	39650		1.0
508	PCB 1016 Arochlor	34671	N D	0.5
508	PCB 1221 Arochlor	39488	N D	0.5
508	PCB 1232 Arochlor	39492	N D	0.5
508	PCB 1242 Arochlor	39496	N D	0.5
508	PCB 1248 Arochlor	39500	N D	0.5
508	PCB 1254 Arochlor	39504	N D	0.5
508	PCB 1260 Arochlor	39508	N D	0.5
515.1	Dalapon (Dowpon)	38432	N A	5.0
515.1	Dinoseb	81287	N A	2.5
515.1	Dichloram (Tordon)	39720	N A	1.0

Laboratory comments and description of any additional compounds found:

MAR - 6 1991

COPY

GENERAL MINERAL, PHYSICAL, INORGANIC, & RADIOLOGICAL CHEMICAL ANALYSES

WATER RESOURCES

Date of Report: 3/2/92Sample ID No. M26804

Laboratory

Name: Montgomery Laboratories

Signature Lab

Director: for PAUL CLIFFORDName of Sampler: Ron DeLoachEmployed by: Montgomery Labs

Date/Time/Sample

Date/Time Sample

Date Analyses

Collected: 2/10/92 10:30Received @ Lab: 2/10/92 1:18Completed: 2/26/92

System

Name: Southern California Water Company

System

Number: #1910155Name or Number of Sample Source: Dalton 1User ID: 4 T HStation number: 0 3 S / 1 4 W - 2 5 P 0 4

Date / Time of Sample :

9 2 0 2 1 0 1 0 3 0Laboratory Code: 9 5 9 0

Y Y M M D D T T T T

Date Analyses Completed :

9 2 0 2 2 6

Y Y M M M D

Submitted by : _____ Phone #: _____

MCL	REPORTING UNITS	CONSTITUENT	ENTRY #	ANALYSES RESULTS
-----	--------------------	-------------	------------	---------------------

mg/L	Total Hardness (as CaCO ₃)	00 9 0 0						
mg/L	Calcium (Ca)	00 9 1 6						
mg/L	Magnesium (Mg)	00 9 2 7						
mg/L	Sodium (Na)	00 9 2 9						
mg/L	Potassium (K)	00 9 0 0						
Total Cations	meq/L Value:							

mg/L	Total Alkalinity (as CaCO ₃)	00 4 1 0						
mg/L	Hydroxide (OH)	71 8 3 0						
mg/L	Carbonate (CO ₃)	00 4 4 5						
mg/L	Bicarbonate (HCO ₃)	00 4 4 0						
* mg/L	+ Sulfate (SO ₄)	00 9 4 5						
* mg/L	+ Chloride (Cl)	00 9 4 0						
45 mg/L	Nitrate (NO ₃)	71 8 5 0		< 0			4 4	
1.4-2.4 mg/L	Fluoride (F) Temp. Depend.	00 9 5 1			0		3 5	
Total Anions	meq/L Value:							

Std Units	pH (Laboratory)	00 4 0 3						
** uhmo/cm	+ Specific Conductance (EC)	00 0 9 5						
*** mg/L	Total Filterable Residue							
	+ at 180 deg C (TDS)	70 3 0 0						
Units	Apparent Color (unfiltered)	00 0 8 1						
TON	Odor Threshold at 60 deg C	00 0 8 6						
NTU	Lab Turbidity	82 0 7 9						
0.5 mg/L	+ MBAS	38 2 6 0						

* 250-500-800

** 900-1600-2200

*** 500-1000-1500

INORGANIC CHEMICALS Page 2 of 2

Southern California Water Company/ Dalton 1

M26804

MCL	REPORTING UNITS	CONSTITUENT	*DLR ug/L	ENTRY #	ANALYSES RESULTS
1000	ug/L	Aluminum (Al)	1 0 0	0 1 1 0 5	< 1 0 0
50	ug/L	Arsenic (As)	1 0	0 1 0 0 2	< 5 . 0
1000	ug/L	Barium (Ba)	1 0 0	0 1 0 0 7	< 1 0 0
10	ug/L	Cadmium (Cd)	1	0 1 0 2 7	< 1 . 0
50	ug/L	Chromium (total Cr)	1 0	0 1 0 3 4	< 1 0
1000	ug/L	+ Copper (Cu)	5 0	0 1 0 4 2	
300	ug/L	+ Iron (Fe)	1 0 0	0 1 0 4 5	
50	ug/L	Lead (Pb)	5	0 1 0 5 1	< 2 . 0
50	ug/L	+ Manganese (Mn)	3 0	0 1 0 5 5	
2	ug/L	Mercury (Hg)	1	7 1 9 0 0	< 0 . 2
10	ug/L	Selenium (Se)	5	0 1 1 4 7	< 5 . 0
50	ug/L	Silver (Ag)	1 0	0 1 0 7 7	< 1 0
5000	ug/L	Zinc (Zn)	5 0	0 1 0 9 2	

RADIOACTIVITY ANALYSES

15	pCi/l	Total Alpha	0 1 5 0 1						
	pCi/l	Total Alpha Counting Error	0 1 5 0 2						
50	pCi/l	Total Beta	0 3 5 0 1						
	pCi/l	Total Beta Counting Error	0 3 5 0 2						
20	pCi/l	Natural Uranium	2 8 0 1 2						
	pCi/l	Total Radium 226	0 9 5 0 1						
	pCi/l	Total Radium 226 Counting Error	0 9 5 0 2						
	pCi/l	Total Radium 228	1 1 5 0 1						
	pCi/l	Total Radium 228 Counting Error	1 1 5 0 2						
5	pCi/l	RA226 + RA228	1 1 5 0 3						
	pCi/l	RA226 + RA228 Counting Error	1 1 5 0 4						
	pCi/l	Radon 222	8 2 3 0 3						
	pCi/l	Radon 222 Counting Error	8 2 3 0 2						
20,000	pCi/l	Total Tritium	0 7 0 0 0						
	pCi/l	Total Tritium Counting Error	0 7 0 0 1						
8	pCi/l	Total Strontium-90	1 3 5 0 1						
	pCi/l	Total Strontium-90 Counting Error	1 3 5 0 2						

ADDITIONAL ANALYSES

NTU	Field Turbidity	8 2 0 7 8							
C	Source Temperature	0 0 0 1 0							
	Langlier Index Source Temp	7 1 8 1 4							
	Langlier Index at 60 deg C	7 1 8 1 3							
Std Units	Field pH	0 0 4 0 0							
	Agressiveness Index	8 2 3 8 3							
mg/L	Silica	0 0 9 5 5							
mg/L	Phosphate	0 0 6 5 0							
mg/L	Iodide	7 1 8 6 5							
	Sodium Absorption Ratio	0 0 9 3 1							
	Asbestos	8 1 8 5 5							
	Boron	0 1 0 2 0							

+ Indicates Secondary Drinking Water Standards

* DLR - Detection Limit for Reporting Purposes

COPY

GENERAL MINERAL, PHYSICAL, INORGANIC, & RADIOLOGICAL CHEMICAL ANALYSES

RECEIVED
 APR 23 1992

Date of Report: 4/17/92 Sample ID No. M26799
 Laboratory Name: Montgomery Laboratories Signature Lab Director: *Paul Clifford* For Paul Clifford
 Name of Sampler: Ron DeLoach Employed by: _____
 Date/Time/Sample Collected: 2/10/92 8:05 Date/Time Sample Received @ Lab: 2/10/92 1:18 Date Analyses Completed: 2/20/92
 System Name: Southern California Water Company System Number: #1910155
 Name or Number of Sample Source: Southern 3

User ID: <u>4 T H</u>	Station number: <u>0 3 S / 1 4 W - 1 3 J 0 3</u>
Date / Time of Sample: <u>9 2 0 2 1 0 8 0 5</u> Y Y M M D D T T T T	Laboratory Code: <u>9 5 9 0</u>
	Date Analyses Completed: <u>9 2 0 2 2 0</u> Y Y M M M D
Submitted by: _____ Phone #: _____	

MCL	REPORTING UNITS	CONSTITUENT	ENTRY #	ANALYSES RESULTS
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	mg/L	Total Hardness (as CaCO ₃)	00 9 0 0	
	mg/L	Calcium (Ca)	00 9 1 6	
	mg/L	Magnesium (Mg)	00 9 2 7	
	mg/L	Sodium (Na)	00 9 2 9	
	mg/L	Potassium (K)	00 9 0 0	
Total Cations		meq/L Value:		

	mg/L	Total Alkalinity (as CaCO ₃)	00 4 1 0	
	mg/L	Hydroxide (OH)	71 8 3 0	
	mg/L	Carbonate (CO ₃)	00 4 4 5	
	mg/L	Bicarbonate (HCO ₃)	00 4 4 0	
*	mg/L	+ Sulfate (SO ₄)	00 9 4 5	
*	mg/L	+ Chloride (Cl)	00 9 4 0	
45	mg/L	Nitrate (NO ₃)	71 8 5 0	< 1 . 9
1.4-2.4	mg/L	Fluoride (F) Temp. Depend.	00 9 5 1	0 . 4 2
Total Anions		meq/L Value:		

	Std Units	pH (Laboratory)	00 4 0 3	
**	uhmo/cm	+ Specific Conductance (EC)	00 0 9 5	
***	mg/L	+ Total Filterable Residue at 180 deg C (TDS)	70 3 0 0	
	Units	Apparent Color (unfiltered)	00 0 8 1	
	TON	Odor Threshold at 60 deg C	00 0 8 6	
	NTU	Lab Turbidity	82 0 7 9	
0.5	mg/L	+ MBAS	38 2 6 0	

* 250-500-800

** 900-1800-2200

*** 500-1000-1500

Southern California Water Co/Southern 3

M26799

MCL	REPORTING UNITS	CONSTITUENT	*DLR ug/L	ENTRY #	ANALYSES RESULTS
1000	ug/L	Aluminum (Al)	1 0 0	0 1 1 0 5	< 1 0 0
50	ug/L	Arsenic (As)	1 0	0 1 0 0 2	< 5 . 0
1000	ug/L	Barium (Ba)	1 0 0	0 1 0 0 7	< 1 0 0
10	ug/L	Cadmium (Cd)	1	0 1 0 2 7	N A
50	ug/L	Chromium (total Cr)	1 0	0 1 0 3 4	< 1 0
1000	ug/L	+ Copper (Cu)	5 0	0 1 0 4 2	
300	ug/L	+ Iron (Fe)	1 0 0	0 1 0 4 5	
50	ug/L	Lead (Pb)	5	0 1 0 5 1	< 2 . 0
50	ug/L	+ Manganese (Mn)	3 0	0 1 0 5 5	
2	ug/L	Mercury (Hg)	1	7 1 9 0 0	< 0 . 2
10	ug/L	Selenium (Se)	5	0 1 1 4 7	< 5 . 0
50	ug/L	Silver (Ag)	1 0	0 1 0 7 7	< 1 0
5000	ug/L	Zinc (Zn)	5 0	0 1 0 9 2	

RADIOACTIVITY ANALYSES

15	pCi/l	Total Alpha	0 1 5 0 1					
	pCi/l	Total Alpha Counting Error	0 1 5 0 2					
50	pCi/l	Total Beta	0 3 5 0 1					
	pCi/l	Total Beta Counting Error	0 3 5 0 2					
20	pCi/l	Natural Uranium	2 8 0 1 2					
	pCi/l	Total Radium 226	0 9 5 0 1					
	pCi/l	Total Radium 226 Counting Error	0 9 5 0 2					
	pCi/l	Total Radium 228	1 1 5 0 1					
	pCi/l	Total Radium 228 Counting Error	1 1 5 0 2					
5	pCi/l	RA226 + RA228	1 1 5 0 3					
	pCi/l	RA226 + RA228 Counting Error	1 1 5 0 4					
	pCi/l	Radon 222	8 2 3 0 3					
	pCi/l	Radon 222 Counting Error	8 2 3 0 2					
20,000	pCi/l	Total Tritium	0 7 0 0 0					
	pCi/l	Total Tritium Counting Error	0 7 0 0 1					
8	pCi/l	Total Strontium-90	1 3 5 0 1					
	pCi/l	Total Strontium-90 Counting Error	1 3 5 0 2					

ADDITIONAL ANALYSES

NTU	Field Turbidity	8 2 0 7 8						
C	Source Temperature	0 0 0 1 0						
	Langlier Index Source Temp	7 1 8 1 4						
	Langlier Index at 60 deg C	7 1 8 1 3						
Std Units	Field pH	0 0 4 0 0						
	Agressiveness Index	8 2 3 8 3						
mg/L	Silica	0 0 9 5 5						
mg/L	Phosphate	0 0 6 5 0						
mg/L	Iodide	7 1 8 6 5						
	Sodium Absorption Ratio	0 0 9 3 1						
	Asbestos	8 1 8 5 5						
	Boron	0 1 0 2 0						

+ Indicates Secondary Drinking Water Standards

* DLR - Detection Limit for Reporting Purposes

GENERAL MINERAL, PHYSICAL, INORGANIC, & RADIOLOGICAL CHEMICAL ANALYSES

COPY

NE

Date of Report: JUN 03, 1992 Sample ID No. 920409028
 Laboratory Name: Montgomery Laboratories Signature Lab Director: [Signature]
 Name of Sampler: Ron DeLoach Employed By: Montgomery Labs
 Date/Time sample 04/09/92 08:40 Date/Time Sample 04/09/92 01:22 Date Analyses 04/21/92
 Collected: 04/09/92 08:40 Received @ Lab: 04/09/92 01:22 Completed: 04/21/92
 =====
 System Name: Southern California Water Company System Number: 1910155
 Name or Number of Sample Source: SOUTHERN 4 SW

User ID: <u>[4] [T] [H]</u>	Station Number: <u>[0] [3] [S] [/] [1] [4] [W] [-] [1] [3] [J] [0] [4] [] []</u>
Date/Time of Sample: <u>[9] [2] [0] [4] [0] [9] [0] [8] [4] [0]</u> <div style="text-align: center; font-size: 0.8em;">Y Y M M D D T T T T</div>	Laboratory Code: <u>[9] [5] [9] [0]</u> <div style="text-align: center; font-size: 0.8em;">Y Y M M D D</div>
Date Analyses Completed : <u>[9] [2] [0] [4] [2] [1]</u> <div style="text-align: center; font-size: 0.8em;">Y Y M M D D</div>	
Submitted By: _____	Phone #: _____

MCL	REPORTING UNITS	CONSTITUENT	ENTRY #	ANALYSES RESULTS
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mg/L		Total Hardness (as CaCO3)	00900	
mg/L		Calcium (Ca)	00916	
mg/L		Magnesium (Mg)	00927	
mg/L		Sodium (Na)	00929	
mg/L		Potassium (K)	00937	
Total Cations		meq/L Value		

mg/L		Total Alkalinity (as CaCO3)	00410	
mg/L		Hydroxide (OH)	71830	
mg/L		Carbonate (CO3)	00445	
mg/L		Bicarbonate (HCO3)	00440	
* mg/L +		Sulfate (SO4)	00945	
* mg/L +		Chloride (Cl)	00940	
45 mg/L		Nitrate (NO3)	71850	N A
1.4-2.4 mg/L		Fluoride (F) Temp. Depend.	00951	0 4 4
Total Anions		meq/L Value		

Std Units		pH (laboratory)	00403	
** uhmo/cm		Specific Conductance (E.C.)	00095	
*** mg/L +		Total Filterable Residue at 180 C (TDS)	70300	
Units		Apparent Color (Unfiltered)	00081	
TON		Odor Threshold at 60 C	00086	
NTU		Lab Turbidity	82079	
0.5 mg/L +		MBAS	38260	

* 250-500-600 ** 900-1600-2200 *** 500-1000-15000

Southern California Water Company

SOUTHERN 03S/14W- 3004

MCL	REPORTING UNITS	CONTITUENT	*DLR ug/L	ENTRY #	ANALYSES RESULTS
	1000 ug/L	Aluminum (Al)	100.	01105	< 100
	50 ug/L	Arsenic (As)	10.	01002	< 5
	1000 ug/L	Barium (Ba)	100.	01007	< 50
	10 ug/L	Cadmium (Cd)	1.	01027	< 1
	50 ug/L	Chromium (Total Cr)	10.	01034	< 10
	1000 ug/L +	Copper (Cu)	50.	01042	
	300 ug/L +	Iron (Fe)	100.	01045	
	50 ug/L	Lead (Pb)	5.	01051	< 2
	50 ug/L +	Manganese (Mn)	30.	01055	
	2 ug/L	Mercury (Hg)	1.	71900	< 0.2
	10 ug/L	Selenium (Se)	5.	01147	< 5
	50 ug/L	Silver (Ag)	10.	01077	< 10
	5000 ug/L	Zinc (Zn)	50.	01092	

RADIOACTIVITY ANALYSES

15 pCi/l	Total Alpha	01501	
pCi/l	Total Alpha Counting Error	01502	
50 pCi/l	Total Beta	03501	
pCi/l	Total Beta Counting Error	03502	
20 pCi/l	Natural Uranium	28012	
pCi/l	Total Radium 226	09501	
pCi/l	Total Radium 226 Counting Error	09502	
pCi/l	Total Radium 228	11501	
pCi/l	Total Radium 228 Counting Error	11502	
5 pCi/l	Ra 226 + Ra 228	11503	
pCi/l	Ra 226 + Ra 228 Counting Error	11504	
pCi/l	Radon 222	82303	
pCi/l	Radon 222 Counting Error	82302	
20,000 pCi/l	Total Tritium	07000	
pCi/l	Total Tritium Counting Error	07001	
8 pCi/l	Total Strontium-90	13501	
pCi/l	Total Strontium-90 Counting Error	13502	

ADDITIONAL ANALYSES

NTU	Field Turbidity	82078	
C	Source Temperature	00010	
	Langelier Index at 60 C	71813	
Std Units	Field pH	00400	
	Aggressiveness Index	82383	
mg/L	Silica	00955	
mg/L	Phosphate	00650	
mg/L	Iodine	71865	
	Sodium Absorption Ration	00931	
	Asbestos	81855	
	Boron	01020	

+ Indicates Secondary Drinking Water Standards

* DLR - Detection Limit for Reporting Purposes